

olivetti



ANY_WAY USER GUIDE

Edited/Published/Produced by:
Olivetti S.p.A.
Gruppo Telecom Italia
Via Jervis, 77
Ivrea (TO)
Italy
www.olivetti.com

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Code: 522922 gb

Date of publication: October 2006

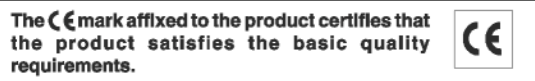
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The ENERGY STAR program is an energy reduction plan introduced by the United States Environmental Protection Agency in response to environmental issues and for the purpose of advancing the development and utilization of more efficient office equipment.



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All information included herein is subject to change without notice. Olivetti S.p.A. is not responsible for any loss or damages, direct or indirect, arising from or related to the use of this operation manual.

MIPC (Mobile Imaging and Printing Consortium)

The MIPC is a non-profit industry association founded in 2004 by leading companies in home photo printing and the mobile phone industry. Its mission is to promote and support the development of interoperability guidelines enabling printing of images and other content between mobile phones and home printers. The guidelines are promoted for use internationally to ensure a broad spectrum of products and services for mobile phone consumers.
www.mobileprinting.org.

ANY_WAY Photo Plus / Photo fax: This Mobile Printing Ready product is designed to provide easy printing from mobile phones. This product follows Mobile Imaging and Printing Consortium (MIPC) Implementation Guidelines for Home Printing with Mobile Terminals, Version 1.0, for PictBridge and Memory Cards.

ANY_WAY Photo Wireless Plus: This Mobile Printing Ready product is designed to provide easy printing from mobile phones. This product follows Mobile Imaging and Printing Consortium (MIPC) Implementation Guidelines for Home Printing with Mobile Terminals, Version 1.0, for Bluetooth, PictBridge and Memory Cards.

1 GETTING STARTED

OVERVIEW

ACCESSING THE ONLINE HELP

SAFETY INSTRUCTIONS

INFORMATION ABOUT PRINT QUALITY AND THE WARRANTY

LOCATING YOUR PRINTER'S COMPONENTS

PRINTER FRONT PANEL

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CONNECTION OF THE PRINTER TO THE TELEPHONE NETWORK (FAX MODEL)

HOW TO INSTALL THE FAX (FAX MODEL)

OVERVIEW

This multi-functional product performs the functions of a high quality ink-jet printer and of a flatbed type A4 format color scanner, making it possible to print, scan and copy B/W and color documents and images.

The multi-functional printer is equipped with two heads, black and color, for normal print and copy operations; to print photos with a quality comparable to that of photographic laboratories, it is advisable to replace the black head with the photographic head which is sold separately.

note: The black and color ink and photographic cartridges are also available in a High Capacity version.

The multi-functional printer can also be used without a computer to make copies and to print photos simply connecting the digital camera to the USB interface on the front panel, inserting a memory card in the related connector or using the Photo Index.

The installation CD contains the software for connection to the personal computer and for document and image management; it also contains the handy Olivetti Toolbox program for fast access to all available capabilities.

The photo wireless plus model permits direct printing of images captured with a mobile phone via Bluetooth or use of all multi-functional printer capabilities "wireless" mode using the Wi-Fi connection: both types of wireless connectivity are integrated.

Initial installation and any configuration of the multi-function printer are always carried out using the USB cable. The cable can then be moved in order to work in Wi-Fi mode.

note: For installation of this model, follow the instructions provided in the WIFI INFO manual.

Con the photo fax model it is possible to send and receive B/W and color fax messages and to send documents from a computer.

ACCESSING THE ONLINE HELP

This User Guide provides the basic operating information that puts you in the condition to use the features offered by your all-in-one printer. However if you need more detailed information, read the Online Help.

To access the Online Help:

- 1 Select the **Help** button in the dialogue boxes.

SAFETY INSTRUCTIONS

Carefully read and follow the information indicated below:

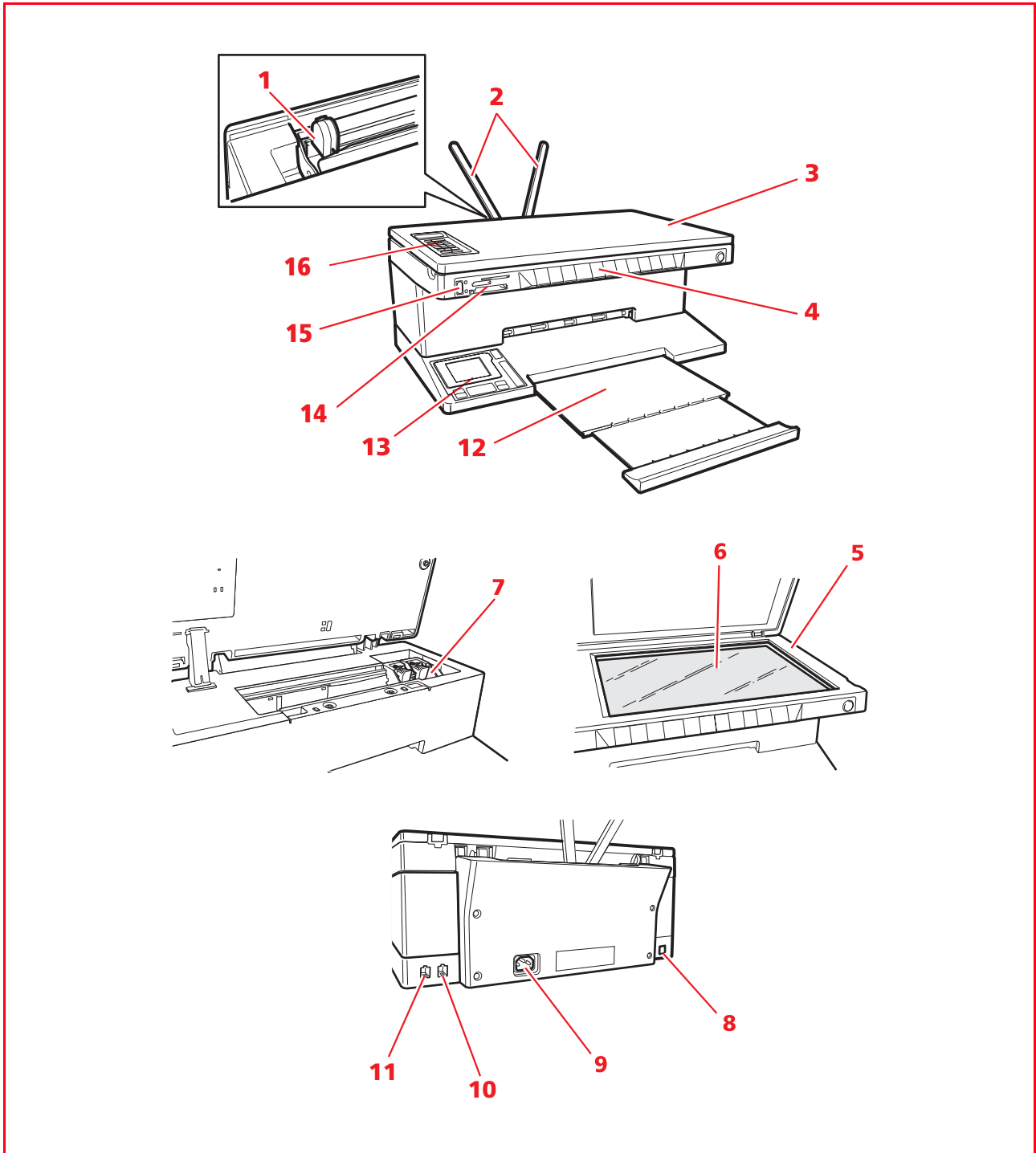
- Use only the power cord provided with this product, or a power cord authorised by the manufacturer.
- Connect the power cord to a grounded electrical outlet that is near the product and easily accessible.
- Install your printer on a flat and stable surface, at a location where no one can step on or trip over the power cord.
- Do not use your printer near water, or with wet hands.
- Do not expose your printer to rain or moisture.
- Do not attempt to disassemble your printer.
- Observe all warnings and instructions marked on your printer.
- Read and understand all the documentation that came with your printer.

INFORMATION ABOUT PRINT QUALITY AND THE WARRANTY

To guarantee the correct operation of your printer and top quality printing, it is essential to use only Olivetti original ink cartridges.

Olivetti declines any responsibility for damage to your printer caused by the tampering with, or refilling of, the ink-jet cartridges. Such actions also imply forfeiture of the Warranty.

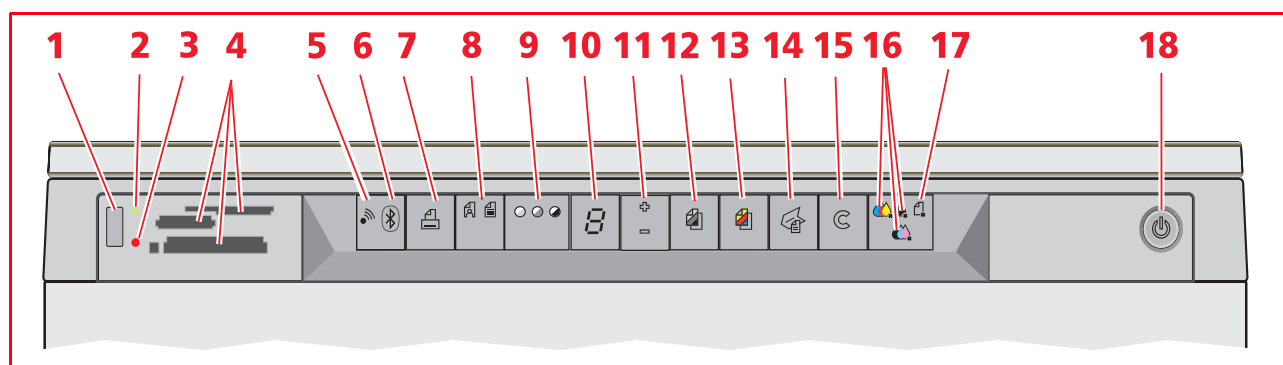
LOCATING YOUR PRINTER'S COMPONENTS



Reference	Part	Description
1	Paper guide	Guides the paper when being fed into the printer.
2	Paper support	Supports the loaded paper.
3	Extractable top cover	Scanner unit cover. It can be removed to scan bulky documents (such as books).
4	Front panel	Panel used for plugging your digital camera to the printer, for turning the printer on and off and for controlling print, copy, and scan jobs.
5	Scanner unit	Release and lift carefully to gain access to the ink cartridges.
6	Scanner glass	Place your document or photo face down on this surface to copy or scan it. See "Placing Your Document on the Scanner Glass".
7	Ink cartridge carrier	Holds two ink cartridges. The colour cartridge is installed to the left, the black (or photo, sold separately) to the right. To change the ink cartridges, see "Replacing the Ink Cartridges".
8	High-speed USB interface	Plug the USB cable (not included) used for connection to your personal computer. Plug the other end of the cable to the computer.
9	Power supply connector	Plug the printer's power cord, provided with the product. Plug the other end of the power cord to a grounded electrical outlet. note: Plug the power cord into the printer first and then into the electrical outlet.
10	RJ11 connector	Telephone signal IN line (Line in).
11	RJ11 connector	Telephone signal OUT line (Ext) to connect a telephone, modem or answering device.
12	Paper tray	Supports the printed paper as it is expelled from the printer. Extend this tray by pulling it outward.
13	LCD display and photo printing management console	A colour liquid crystal display where you can view the photos stored in the memory of the digital camera or memory card connected to the printer, and a number of buttons that allow you to customize print jobs.
14	Memory card slots	Insert your memory cards in these slots to read their contents and select the pictures that you want to print. See "Inserting and Removing Memory Cards".
15	USB interface	Plug the USB cable from your digital camera.
16	Fax control panel (fax model)	Panel to use the printer in fax mode (available only on the fax model).

PRINTER FRONT PANEL

The front panel allows you to manually control the printing, scanning and copying of documents or photos placed on the scanner glass, received from a digital camera or stored on the memory card inserted in the related slots.

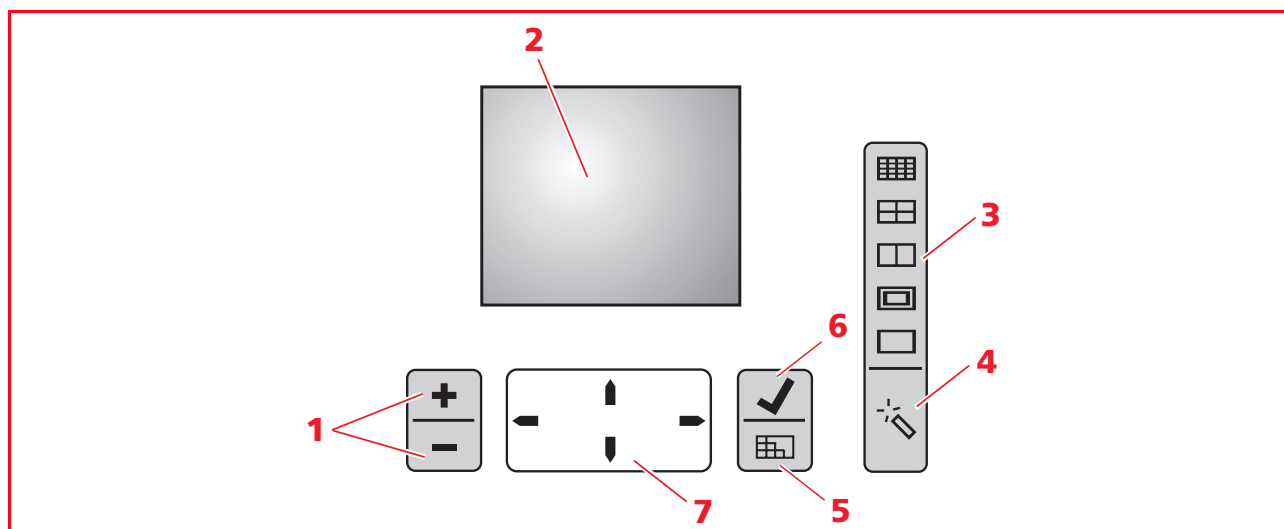


Reference	Part	Description
1	USB connector	Plug the USB cable of your digital camera to print photographs directly from your camera.
2	USB status LED	Lights green to indicate when a digital camera is attached, flashes to indicate when data is being transferred from the digital camera to the printer.
3	USB error LED	Lights red to indicate a USB error condition (data transfer error). For more information, see "Meaning of the LED Indicators on the Front Panel".
4	Memory card slots	Can accommodate Compact Flash I, II, Microdrive, SmartMedia, SecurDigital and MultiMedia cards, Memory Sticks and xD-Picture cards.
5	Wi-Fi network icon (Wireless model)	Lights green to indicate connection to Wi-Fi network.
6	Bluetooth icon (Wireless model)	Switches on with a blue light to indicate that Bluetooth connectivity is active and available for a connection.
7	Print button	Lights up only when a non-Pictbridge digital camera or a memory card is connected to the matching interface. This button flashes whenever printing is in course.
8	Quality button	Used to select print or copy quality; the printer automatically adjusts its print resolution (high or normal) according to the quality selected. It is advisable to select photo mode if the original to be copied is an image or when printing on photographic paper.
9	Copy contrast button	Press to make your copy printout darker or lighter. A Dark, Normal or Light contrast can be selected. The corresponding icons on this button illuminate to indicate the selected setting.
10	Copy counter	Displays the number of copies selected. The counter decreases as the copies are printed.

Reference	Part	Description
11	Copy selection button	<ul style="list-style-type: none"> Press the Plus sign (+) to increase the number of copies (max. of 9) to be made. Press the Minus sign (-) to decrease the number of copies (min. of 1) to be made. <p>The selected number is displayed by the copy counter.</p>
12	Monochrome copy button	Press to make a black and white copy. Press and hold down to activate the "Fit to Page" feature. See "Copying a Document".
13	Colour copy button	Press to make a colour copy. Press and hold down to activate the "Fit to Page" feature. See "Copying a Document".
14	Scan button	<ul style="list-style-type: none"> Illuminated when the printer is connected to a computer. Press this button to scan document or photo positioned on the exposure bed. <p>See "Scanning from the front panel". A Toolbox window is displayed which permits direct acquisition of the image in the application program required and personalization of scanning settings.</p>
15	Cancel button	<ul style="list-style-type: none"> Press to immediately cancel a print, scan or copy job in progress and eject the paper. Restore selections to the factory values.
16	Out of ink indicators	Flash or illuminate to indicate out of black, colour or photo ink conditions.
17	Paper error indicator	<ul style="list-style-type: none"> Flashes to indicate a paper jam. See "Clearing Paper Jams". Flashes to indicate an out of paper condition. Flashes to indicate the feed of an incorrect paper size when printing or copying.
18	ON/OFF Button	<p>Turn your printer ON or OFF.</p> <p>The fax model can be switched off (see note) holding down the ON/OFF button for 5 seconds; if there are documents in the memory, switching off is inhibited.</p>

note: If the fax model is switched off, the settings of the date and time will be lost; therefore, it is advisable NOT to carry out this operation which has been replaced by automatic energy saving mode

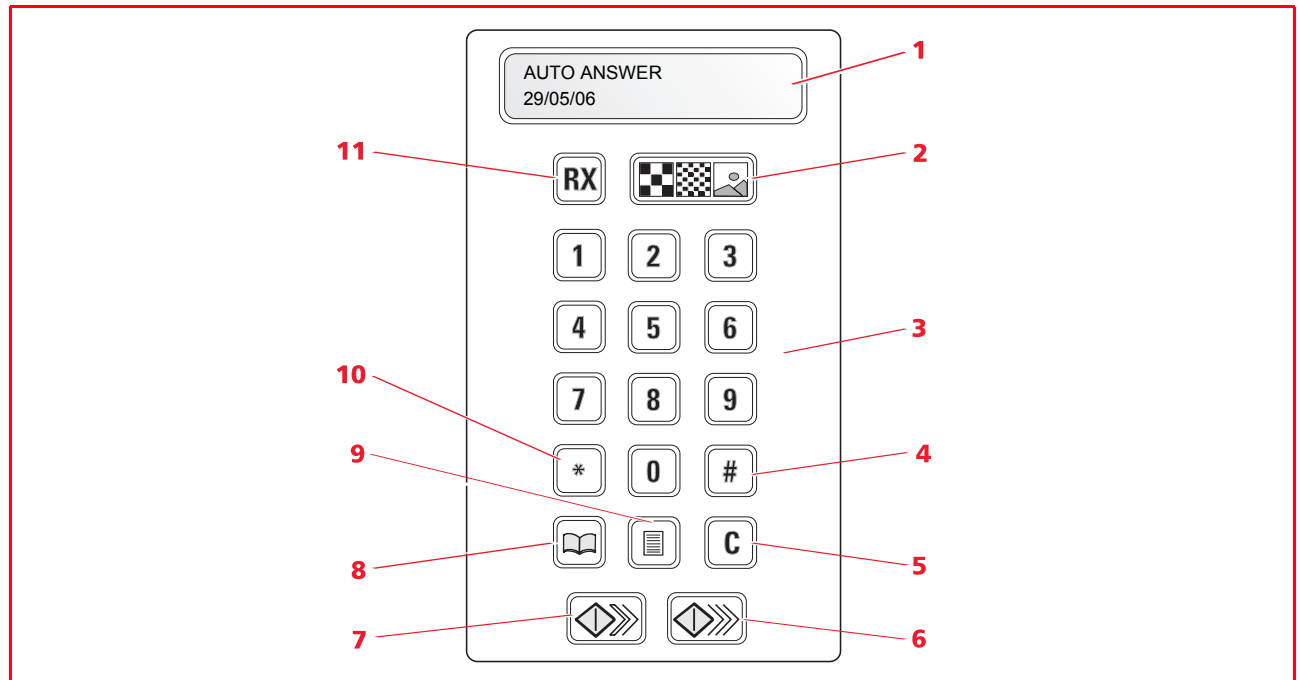
PHOTO PRINTING MANAGEMENT CONSOLE



Reference	Part	Description
1	No. of copies button	<ul style="list-style-type: none"> Press the Plus sign (+) button to increase the number of copies (max. of 9) to be made. Press the Minus sign (-) button to decrease the number of copies (min. of 1) to be made. <p>The selected number is displayed by the copy counter.</p>
2	Colour display	<p>A 2.4" color Liquid Crystal Display (LCD) for previewing and selecting your pictures.</p> <p>The icon bar which, to the right, highlights the total number of images selected for printing and, to the left, the icon that represents the device connected, are shown in the lower part of the display.</p>
3	Page layout button	<p>Press to select the layout in which the photos will be printed on the paper. Press this button sequentially to select:</p> <ul style="list-style-type: none"> 1 borderless photo fitted on the page size 1 photo with borders and fitted on the page size 2 borderless photos fitted on the page size 4 borderless photos fitted on the page size the index of your pictures, which will be correctly printed if already compiled by the device (digital camera). If an index is not provided by the device, the printer will create its own index of pictures by it may not be complete. <p>Only the icon selected remains ON.</p>
4	Magic button	<p>Press the button to improve image quality.</p> <p>The new image generated is not shown on the display or saved but can be printed.</p>
5	Display button	<p>Press this button to move from full screen display to thumbnail (3x3 images).</p>
6	Selection button	<p>Press this button to select/deselect printing of the image highlighted.</p>

Reference	Part	Description
7	Navigation button	Makes it possible to move amongst the images displayed moving a white highlight frame. Hold down the button to automatically scroll from one image to the next.

FAX CONTROL PANEL (FAX MODEL)

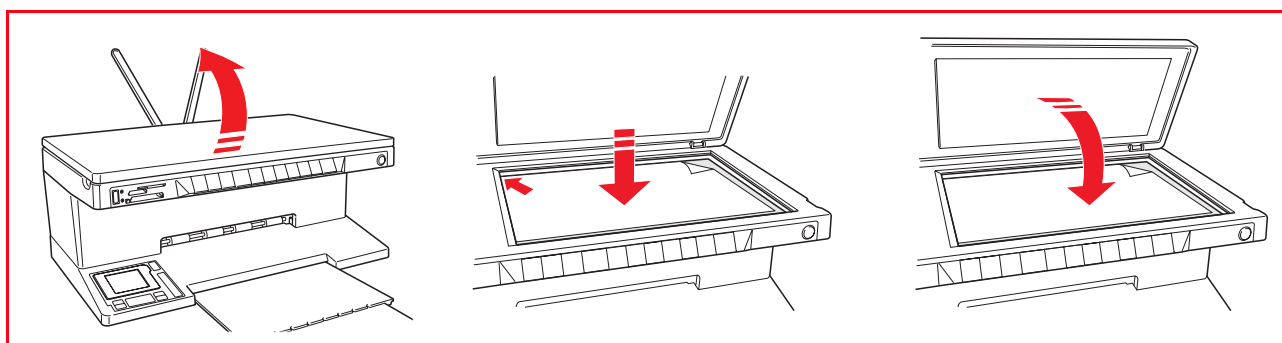


Reference	Part	Description
1	B/W display	B/W alphanumeric LCD display with 2 lines of 16 characters each.
2	Fax quality selection button	Press the button to modify the quality of the document to be faxed.
3	Numeric keypad buttons	Press the buttons to display the telephone number.
4	# button	Press the # button to carry out special functions provided by the telephone service manager.
5	Stop button	Press the button to interrupt the current operation or to cancel the phone number set.
6	Start color Fax button	Press the Start button to receive or to send a color fax.
7	Start B/W Fax button	Press the Start button to receive or send a B/W fax.
8	Agenda button	Press the button to access the agenda. Pressing the button enables a search for the name required in the agenda or the last number called. Agenda settings can be made only from the computer.
9	Report button	Press the button to print a fax activity report.
10	Special functions button	Press the special functions button to carry out operations provided by the telephone service manager. It is also used to switch from "Pulse" to "Tone dialing".

Reference	Part	Description
11	RX button	<p>Press the button in stand-by mode to select reception mode:</p> <ul style="list-style-type: none"> • automatic reception (default setting). • manual reception: advisable only if an additional telephone has been connected. • Telephone/fax: advisable only if an additional telephone has been connected. • TAD/fax: advisable only if an external answering device is connected.

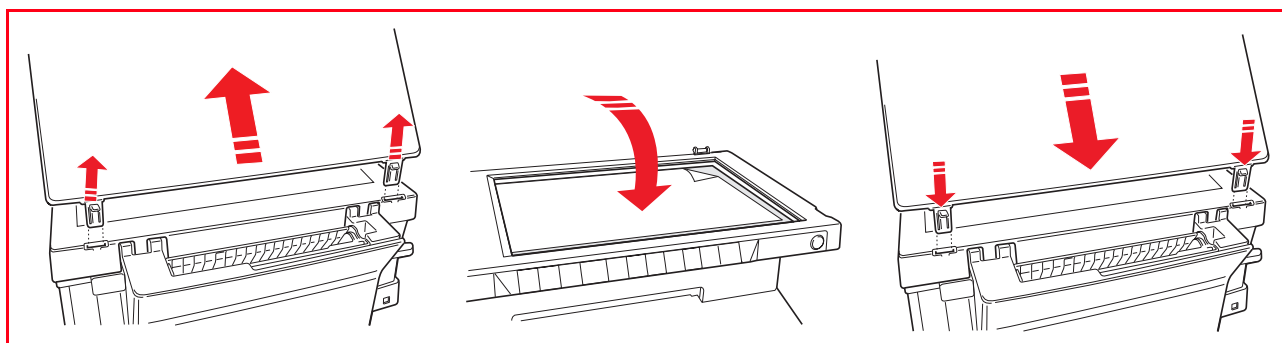
PLACING YOUR DOCUMENT ON THE SCANNER GLASS

- 1 Open the top cover.
- 2 Place the original document or photo to be scanned face down on the scanner glass and aligned with the upper left corner. Close the top cover.



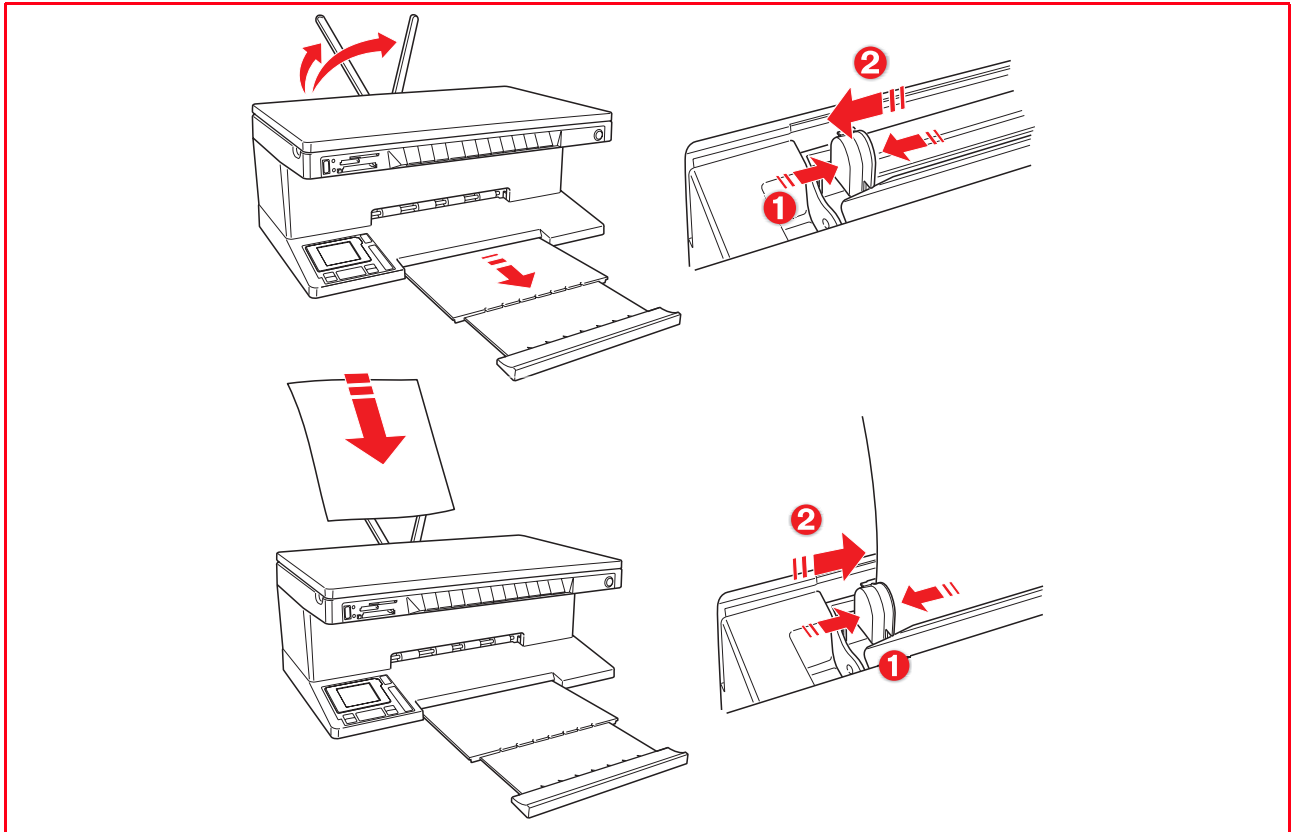
Placing of a bulky document on the exposure bed

- 1 To copy a bulky document such as a book, release the cover from its runners by pressing its securing features and slide it off.
- 2 Place the original document or photo to be scanned face down on the scanner glass and aligned with the upper left corner. Close the top cover.
- 3 If the top cover was removed, replace it after copying by sliding its tabs into the related slots on the rear of the printer until they click into place. Close the top cover.



LOADING PAPER

- 1 Raise the two paper supports into their upright position, then squeeze and slide the paper width guide to its outermost position.
note: When raising the paper supports make sure that they are in their correct upright position.
- 2 Load the paper vertically (portrait orientation), the side to print on facing the front of the printer and against the guide on the right side of the paper support. Squeeze and slide the left paper guide against the left edge of the paper.



Loading Different Types of Paper

To load:

Proceed as follows:

Plain paper, coated paper, glossy paper, photo paper, greeting cards, index cards, post cards, envelopes, transparencies, ink-jet labels

- Load the media vertically against the right side of the paper support and with the print side facing up.
 - Squeeze and slide the paper guide against the left edge of the paper.
- note:** Load letterhead paper with the top of the letterhead entering the printer first and facing up.

Banner paper

- Remove all paper from the paper support.
 - Insert the leading edge of the banner paper vertically into the printer against the right side of the paper support and with the print side facing up.
- note:** Do not use perforated fan-fold banner paper.
- Squeeze and slide the paper guide against the left edge of the banner paper.

Iron-on transfers

- Read the instructions on the transfer package.
- Load the sheets vertically against the right-hand side of the paper support and with the side to be printed facing towards the front part of the machine.
- Squeeze and slide the paper guide against the left edge of the transfer.

STATES OF THE FRONT PANEL OF THE PRINTER

Turning On Your Printer

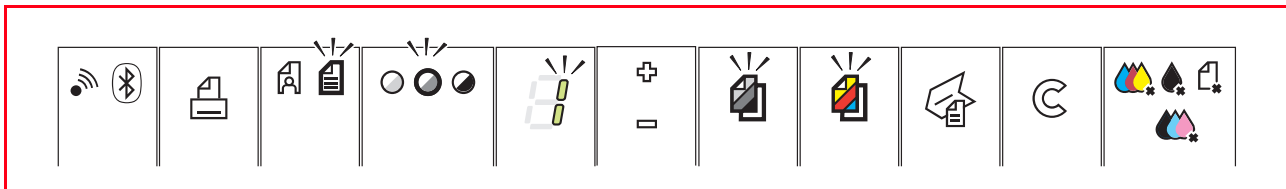
Press the ON/OFF button on the right of the front panel.

note: Before pressing the ON/OFF button, make sure that the printer's power cord is plugged into a grounded electrical outlet. See the Setup Diagram, included in the printer's box, for information on how to setup your printer.

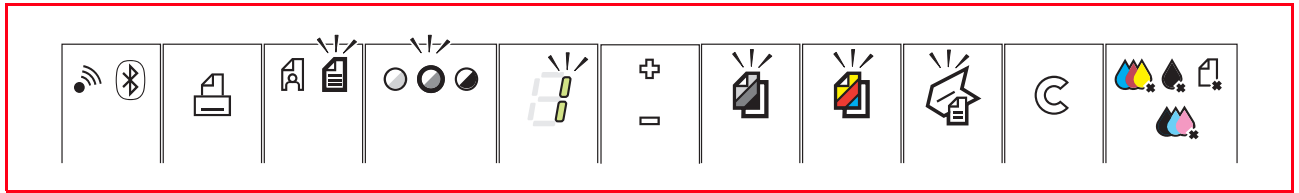
After pressing the ON/OFF button, the printer executes a series of autodiagnostic tests aimed at detecting any possible system malfunction. Any error detected at this time will be signalled by the front panel, or by the personal computer if connected to the printer. See "Meaning of the LED Indicators on the Front Panel" for the corrective actions in case any error is detected.

Upon the successful completion of the autodiagnostic phase, certain buttons on the front panel will illuminate to indicate the functions that are available according to the current printer configuration (whether or not it is connected to a computer or to a digital camera).

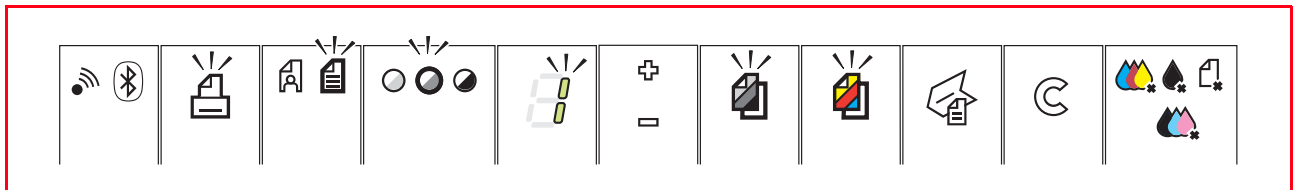
When the printer is **not connected to a computer**, the following indicators or buttons are illuminated:



When the printer **is connected to a computer**, the following indicators or buttons are illuminated:

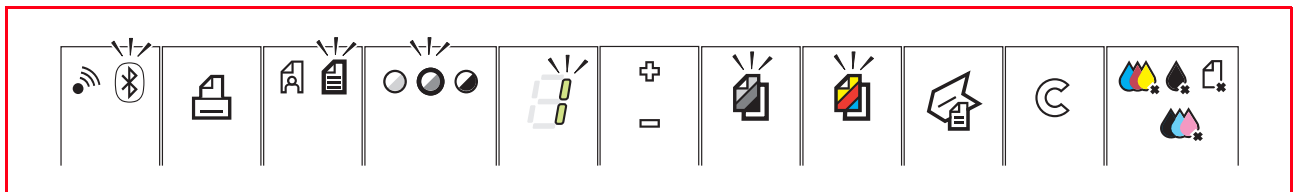


When a **non-PictBridge digital camera** is connected to the printer, the following indicators or buttons are illuminated:

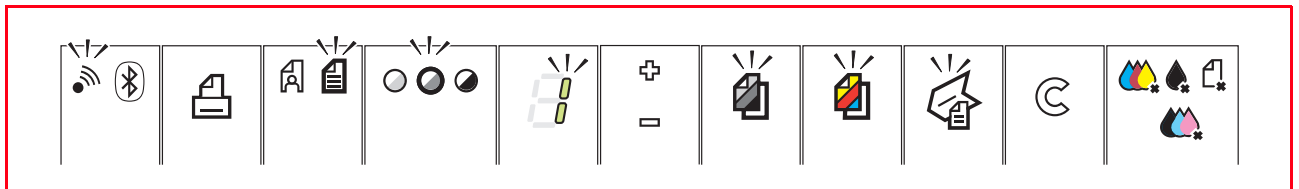


When a **PictBridge digital camera** is connected to the printer, the indicators or button icons are illuminated according to whether the printer is connected or not to a computer. See the related configurations above.

The blue **Bluetooth** led is ON when connectivity is active and therefore available for connection.



The green **Wi-Fi** led is ON when the connection to the wireless network is active.



Turning Off Your Printer

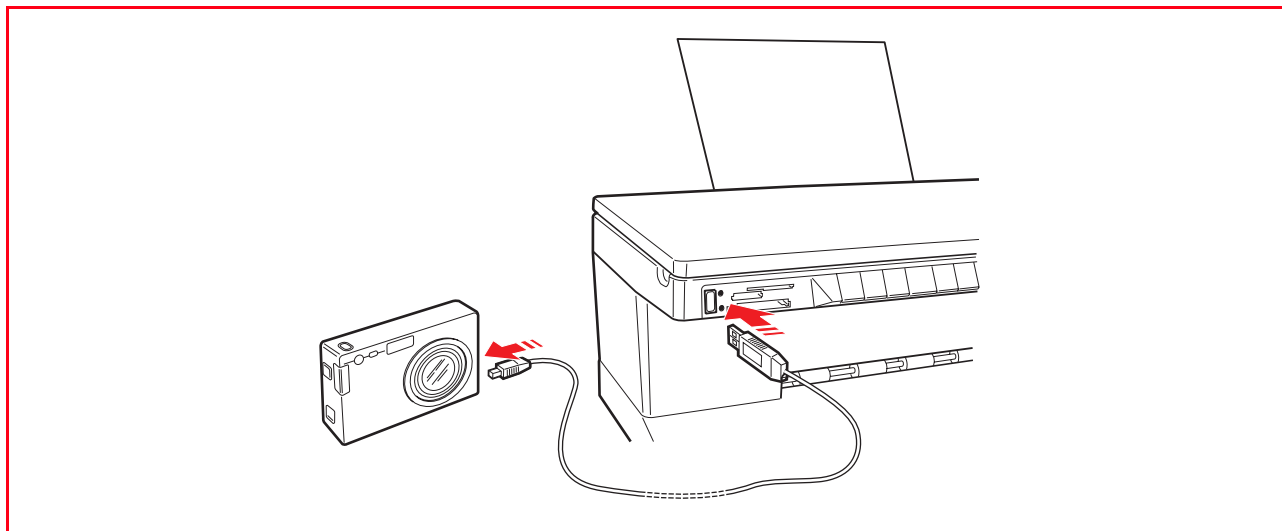
Press the ON/OFF button on the right of the front panel. All the lights on the front panel will turn off.
note: Switching off of the printer (fax model) causes cancellation of all the data in the memory and of the current date and time and is therefore not recommended.
If there are data in the memory, a warning is shown on the display and switching off is inhibited.

Printer Stand-by/Economy mode

The printer features Standby and Economy states.
With Standby, the printer waits for a signal from the front panel or from the USB port connected to the computer; the front panel remains ON as in normal operating conditions.
In Economy mode, after a period of time that can be programmed from the Toolbox, the printer switches to energy saving mode: the keyboard switches off and only the display remains on, indicating the number of copies. In this case also, the printer is re-activated when any signal is received.

CONNECTING A DIGITAL CAMERA TO YOUR PRINTER

- 1 Turn on your digital camera. Read your camera's User's Guide for more information.
- 2 With your printer powered on, plug one end of the digital camera's USB cable to the USB connector on the camera and the other end to the USB connector on the printer front panel.
note: When you connect a PictBridge digital camera to your printer, only the print icon on the front panel will turn off to indicate that printing will be controlled directly from the digital camera. Read your camera's User's Guide for instructions on how to print your photos.



The USB green status light switches on to indicate connection of a digital camera. If the printer does not recognize the digital camera connected, the red light switches on. Make sure that you have connected a compatible device.

INSERTING AND REMOVING MEMORY CARDS

After taking pictures with your digital camera, you can remove the memory card where the pictures taken are stored and insert it into your printer so that you can view and print them. Your printer can read the following memory storage devices: Compact Flash I, II, Microdrive, SmartMedia, SecurDigital and MultiMedia cards, Memory Sticks (Duo, Pro, Magic Gate) and xD-Picture cards.

note: Adaptors for reading Mini SD and MS Pro memory cards can be purchased separately. Your printer can recognize and print the following file formats stored on the memory cards: DCF, JPEG, Extif and DPOF.

Inserting a Memory Card

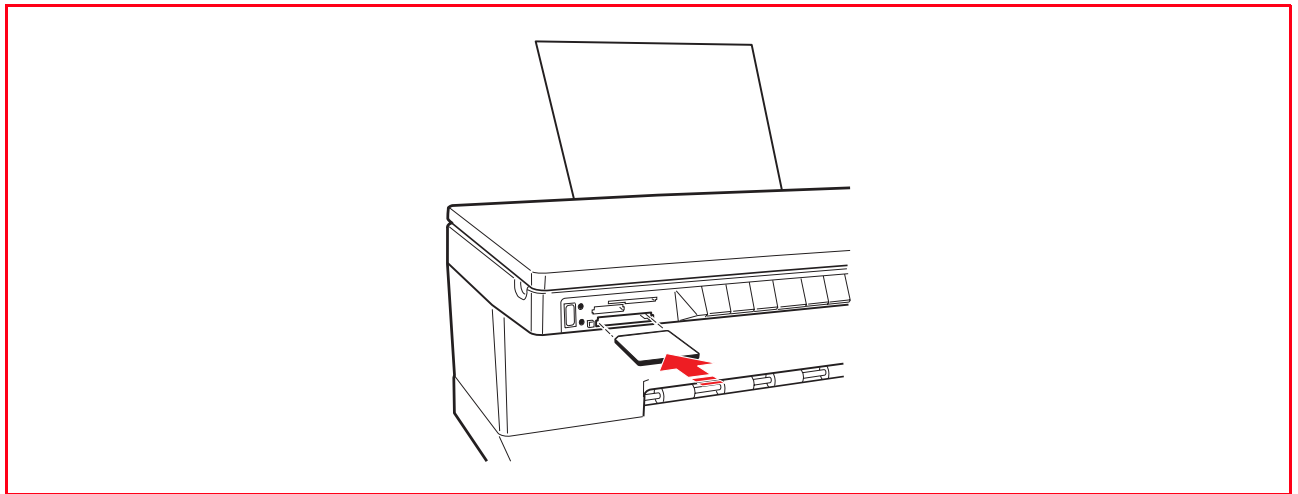
Before proceeding to insert the memory card into its related slot, follow these insertion guidelines according to the card that you are using:

- When inserting a CompactFlash card, make sure that the label is facing upward (if the label has an arrow it needs to be pointing towards the printer) with the metal pinholes entering the printer first.
- When inserting a Multimedia and SecureDigital cards, make sure that the angled corner is on the right and the metal contacts are facing downward.
- When inserting a SmartMedia card or a Memory Stick, make sure that the angled corner is on the left and the metal contacts are facing downward.
- When inserting a xD-Picture Card, make sure the curved side of the card is facing you and the metal contacts are facing downward.

note: It is important that you remember the correct orientation of the card when you insert it into the printer as inserting it any other way could damage the card and the printer.

- 1 On your printer's front panel, choose the correct slot for the memory card that you wish to insert.
- 2 Orient your specific memory card as indicated at the beginning of this section, carefully insert it into the slot and gently push it in until it stops. The following figure shows an example of the insertion of a MultiMedia card.

note: The memory card does not go in all the way; do not try to force it in since doing so will damage the card and the printer.



If the card is inserted correctly, an icon is displayed on the LCD indicating the total number of photos stored on the memory card (only the compatible files are opened and counted).

Removing a Memory Card

- 1 Carefully pull the card completely out of its slot.
CAUTION: DO NOT remove the memory card while it is still being accessed either by the printer or personal computer since doing so could damage the photos stored on the card.
The printer's Idle screen is displayed next, indicating that your printer is in stand-by waiting for further operating commands.

ACTIVATION IN BLUETOOTH MODE (WIRELESS MODEL)

The wireless model permits direct printing of images captured using a mobile phone via Bluetooth wireless connectivity.

To verify whether the Bluetooth capability is available, check that the blue led of the Bluetooth icon is ON. If the blue led of the Bluetooth icon is OFF, proceed as follows:

- *In the Windows environment:*
 - 1 Carry out USB installation as described in the documentation "**Setting up your printer**".
note: If installation has already been performed, it is not necessary to repeat it.
 - 2 Open the Toolbox program (**Start > Olivetti > Programs > Toolbox**).
note: The USB cable must be connected and the printer must be ON.
 - 3 Click on the "**Settings**" button and then on "**Bluetooth Settings**" to access configuration of Bluetooth parameters.
 - 4 Enable Bluetooth mode and click on "**Send settings**": wait for automatic reception of the data of the Bluetooth network present: the blue light on the printer lights up.
Close the "**Toolbox**" program.
 - 5 The printer is not able to operate in the Bluetooth environment.
If a password is requested in the connection phase, enter "**0000**" (or other if set by the user).

- *In the Mac OS X environment:*
 - 1 Carry out USB installation as described in the documentation "**Setting up your printer**".
note: If installation has already been performed, it is not necessary to repeat it.
 - 2 Run the Toolbox program from the desktop.
note: The USB cable must be connected and the printer must be ON.
 - 3 Click on the "**Settings**" button and then on "**Bluetooth Settings**" to access configuration of Bluetooth parameters.
 - 4 Click on "**Bluetooth Status**". Activate Bluetooth mode and wait for automatic reception of the data of the Bluetooth network present: press "**Apply**".
Close the "**Toolbox**" program.
 - 5 The printer is not able to operate in the Bluetooth environment. If a password is requested in the connection phase, enter "**0000**" (or other if set by the user).

INSTALLING THE WI-FI SYSTEM (WIRELESS MODEL)

Prerequisites

For initial installation or configuration of the printer, the following are required:

- A USB cable (not included in the packaging)
- A desktop or portable computer with active wireless device
- In the case of installation in infrastructure mode, an operating and functioning wireless network.

note: If you have just bought a portable or a desktop computer, consult the user guide provided to activate and configure the wireless network settings.

Installation

For correct installation of the printer in Wi-Fi mode:

- *Carry out USB installation*
- *Activate the Wi-Fi component of the printer*

To enable wireless communication from the computer, use the software of the printer (Toolbox application) selecting Ad-Hoc mode (peer to peer) or Infrastructure (with point of access)

note: Initially, the photo wireless model is set to connection via Bluetooth; enabling the Wireless connection, Bluetooth is automatically disabled: the two connections cannot be active at the same time.

- *Create the network connection between the computer and the printer*
- *Perform Wi-Fi installation*

To add the printer to the list of printers available in the system.

USB and Wi-Fi installation are carried out using the same "Installation" CD-Rom provided with the printer; on completion, it will be possible to use the connection via USB cable and Wi-Fi mode.

For further information, consult the "Wifi Info" guide.

Installation in Macintosh environment

- 1 Switch on the computer and insert the "Installazione" (Installation) CD-ROM.
- 2 Connect the USB cable (not provided) to the printer and to the computer, switch on the printer.
- 3 Double click on the icon of the CD-ROM on the desktop and then on "**Olivetti Series Installer.app**".
- 4 Follow the instructions shown on the screen in order to carry out installation in USB mode.
- 5 To complete installation, it may be necessary to reboot the system.
- 6 After completing USB installation successfully, run the **Toolbox** program from the system desktop or from the list of available programs.
note: The USB cable must be connected and the printer must be ON.
Click on the "**Settings**" button and in the next screen page "**Wifi Settings**".
- 7 Click on "**Wireless Settings**". Activate "**Wireless Status**" mode, set the Wi-Fi parameters of the network and press "**Apply**": wait for automatic reception of the Wi-Fi network data: the green light on the printer switches on.
note: Use of Mac OS X 10.2 or higher is recommended.
note: Access to the "wireless network" depends on the settings of the Wi-Fi network present on the computer.
Consult the documentation of the computer to make the Wi-Fi connection.
- 8 Close the "**Toolbox**" program.
- 9 At the end, to set the printer, select **System preferences > Print and Fax >**. Select the ANY_WAY printer present in the list and press the "+" key; find and select the ANY_WAY printer to add this to the list of available printers.
- 10 The printer has been added to the list of printers available on the system and is now able to operate in the Wi-Fi environment.
note: Wi-Fi and Bluetooth mode cannot be activated at the same time.
In Wi-Fi mode, the USB cable can be disconnected. For specific settings on the wireless network, refer to the documentation provided with the computer.

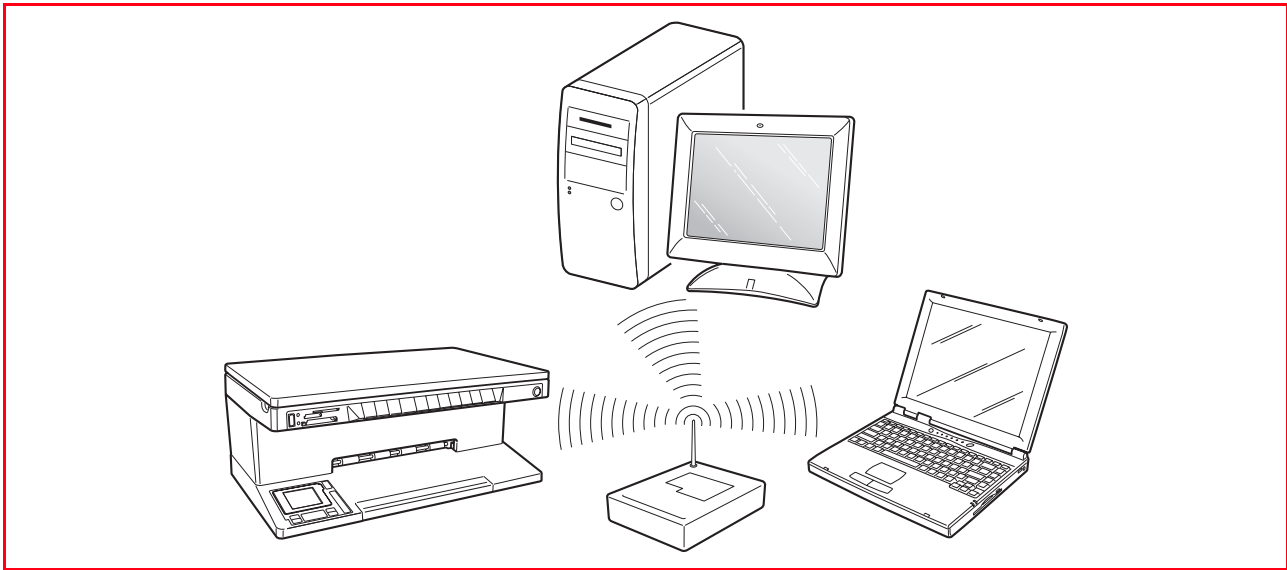
The operating procedures for the various personalized settings are indicated below.

PRINTER NETWORK CONNECTION (WIRELESS MODEL)

To connect the wireless model printer to a network, you must set the method of communication that defines the way in which the peripherals, such as computers and printers, communicate on a wireless network.

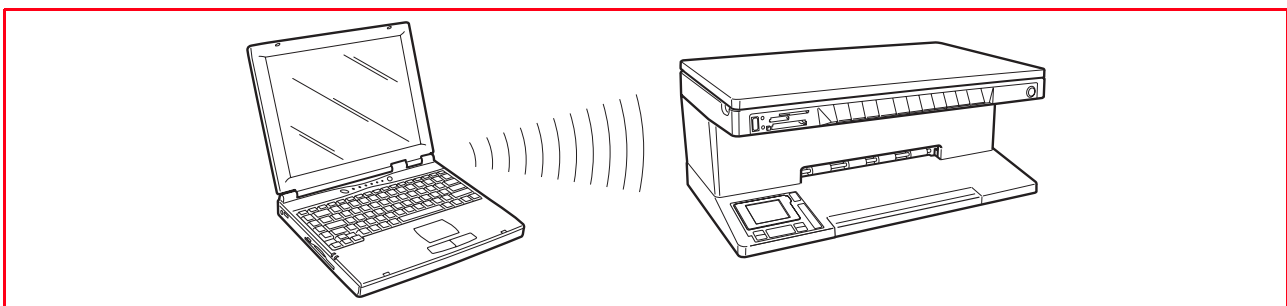
Using the printer in Wi-Fi mode (i.e. without wires on radio waves), two different methods are available for wireless communication:

- **Infrastructure (Access Point):** The printer communicates with network computers via a basic station or wireless access point. The access point acts as central hub or gateway, connecting wireless peripherals.
In infrastructure mode, all wireless communications between network peripherals pass through an access point. Each wireless network peripheral must have a wireless network adapter for connection to the access point.



Ad-Hoc (Peer-to-Peer) (pre-defined setting): The printer communicates directly with the computer without passing through an access point. Each wireless peripheral in an Ad-Hoc network must have a wireless network adapter. The adapter allows each peripheral to communicate with the other network peripherals.

Use of Ad-Hoc mode is usually restricted to simple, relatively small wireless networks as performance tends to deteriorate considerably following connection of several peripherals in the network.



note: (wireless model) If the printer has been set previously for Bluetooth and you no longer wish to use this mode (or Wi-Fi mode is to be used instead of this), run the Toolbox program and in the settings de-activate "Bluetooth". Bluetooth and Wi-Fi mode cannot be activated at the same time.

CONNECTION OF THE PRINTER TO THE TELEPHONE NETWORK (FAX MODEL)

Two RJ11 connectors, one "**LINE**" and one "**EXT**", are present on the back of the printer. Using the telephone cord provided, connect the telephone line to the "**LINE**" socket on the back of the printer.

An external telephone, a modem or TAD (Telephone Answer Device) can be connected to the "**EXT**" socket.

The telephone connected in cascade can be used to make calls, to reply or to send a START signal in order to receive a fax (DTMF code).

In this case, the display of the fax control panel on the printer shows a message indicating that an additional telephone is on line.

Connection to the telephone network

As connection of the fax or additional telephone or other equipment to the telephone line is subject to national regulations which vary from country to country, the diagrams below illustrate various examples of number of connections. If, in the destination country, connection to the telephone line differs from those specified in the examples, refer to current regulations in the destination country.

The fax is set for connection to the public telephone line. To connect it to a private line and to use it also on a public line, refer to the paragraph "Installation of the fax".

note: In the case of a multiple-socket telephone system, additional telephone appliances can be connected to any of the available sockets provided that the system is of the type with several sockets in parallel, i.e. if the dial tone is always present when the hand-sets of the pre-existing telephone appliances are lifted at the same time.

note: If the dial tone is not present when the hand-sets of the pre-existing telephone appliances are lifted at the same time, this means that the telephone system is of the type with several sockets in series. In this case, the additional telephone appliances must be connected directly to the printer as already explained above. If this is not possible, connect the printer to the socket with the lowest priority.

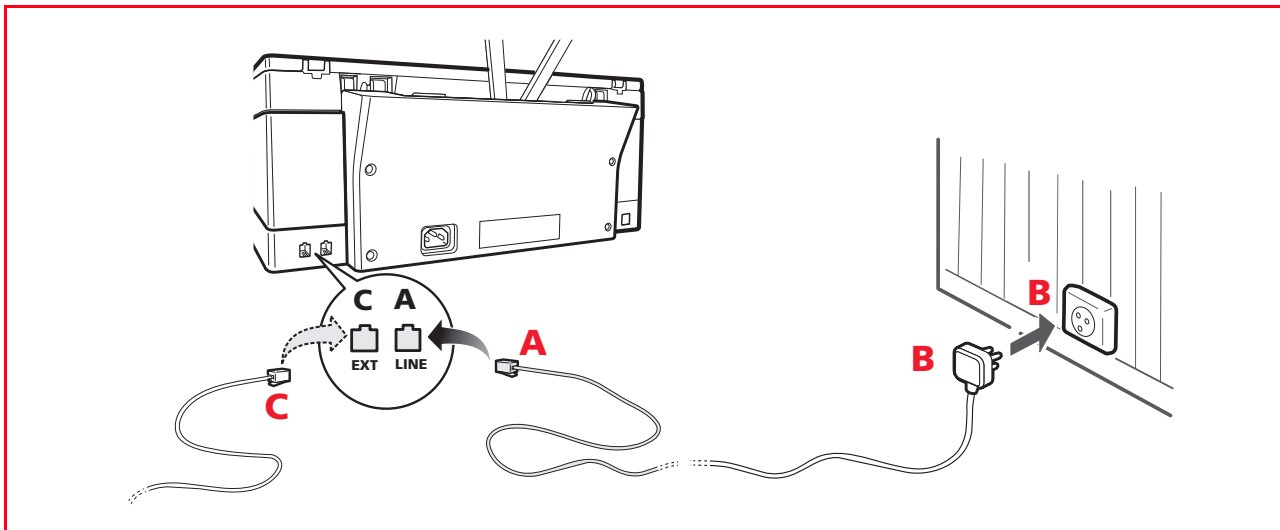
Each country uses a specific telephone plug; the most frequently used connections are illustrated below.

Connection case 1 (Italy and Switzerland)

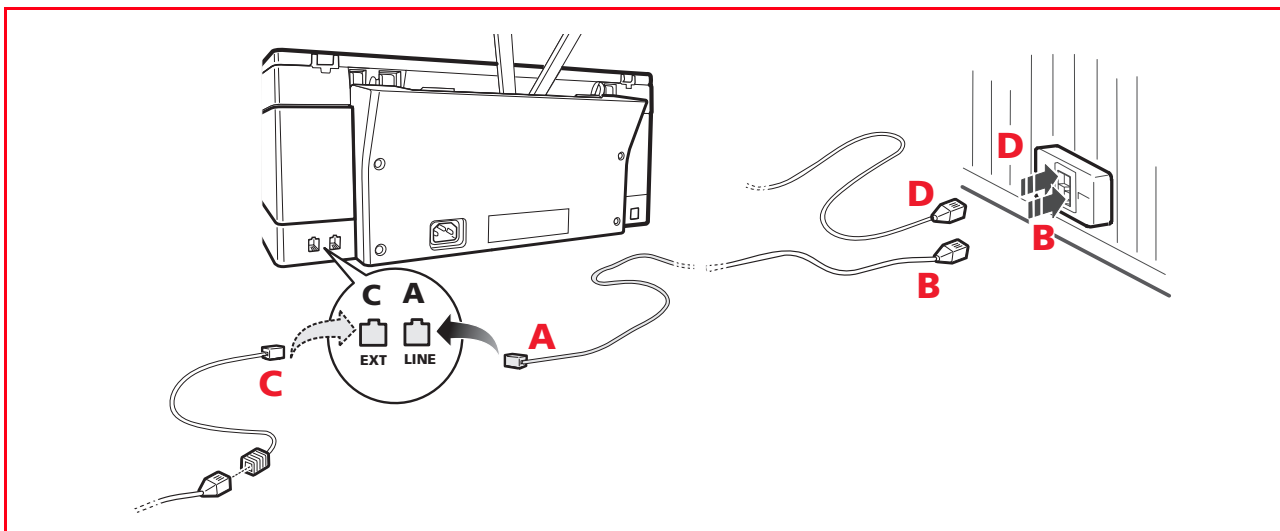
On the back of the printer remove if necessary the cover of the "EXT" connection socket to the telephone line and insert the connector of the additional telephone or other device in the above-mentioned socket (see related diagram). If it is not possible to connect the additional telephone directly to the "EXT" socket, use the specific adapter (which differs from country to country).

- A** = telephone line input (LINE IN)
- B** = wall socket for telephone plug
- C** = socket for external telephone, modem or telephone answering device (EXT)
- D** = socket for external telephone, modem or telephone answering device or other appliances

Connection case 1 Italy



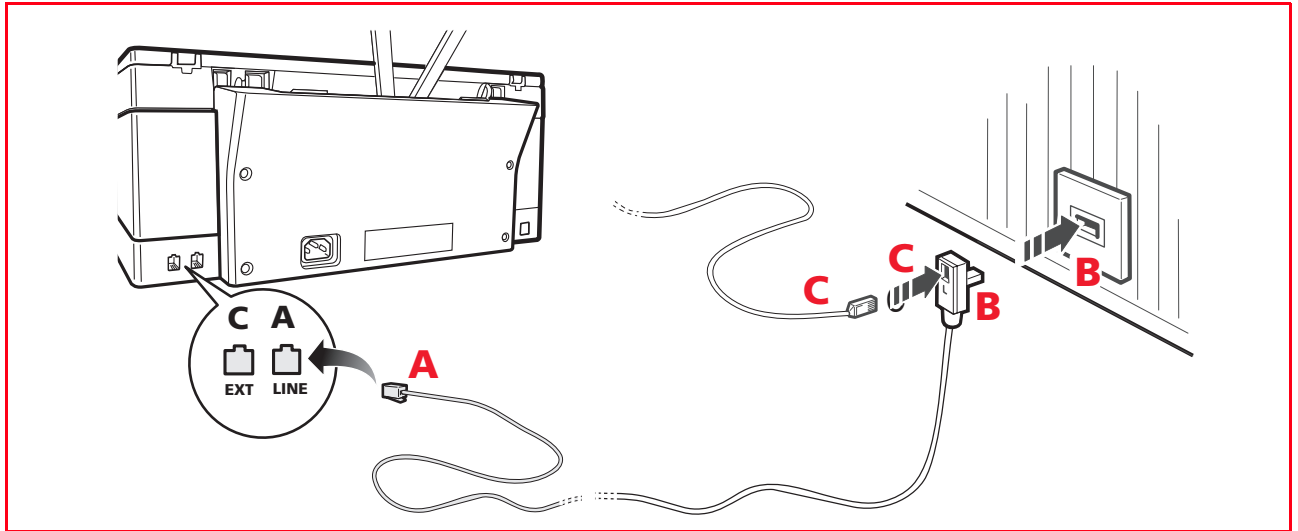
Connection case 1 Switzerland



Connection case 2

Insert the connector or the plug (different from country to country) of the additional appliance in the above socket (see the related diagram).

- A** = telephone line input (LINE IN)
- B** = wall socket for telephone plug
- C** = socket for external telephone, modem or telephone answering device (EXT)
- D** = socket for external telephone, modem or telephone answering device or other appliances

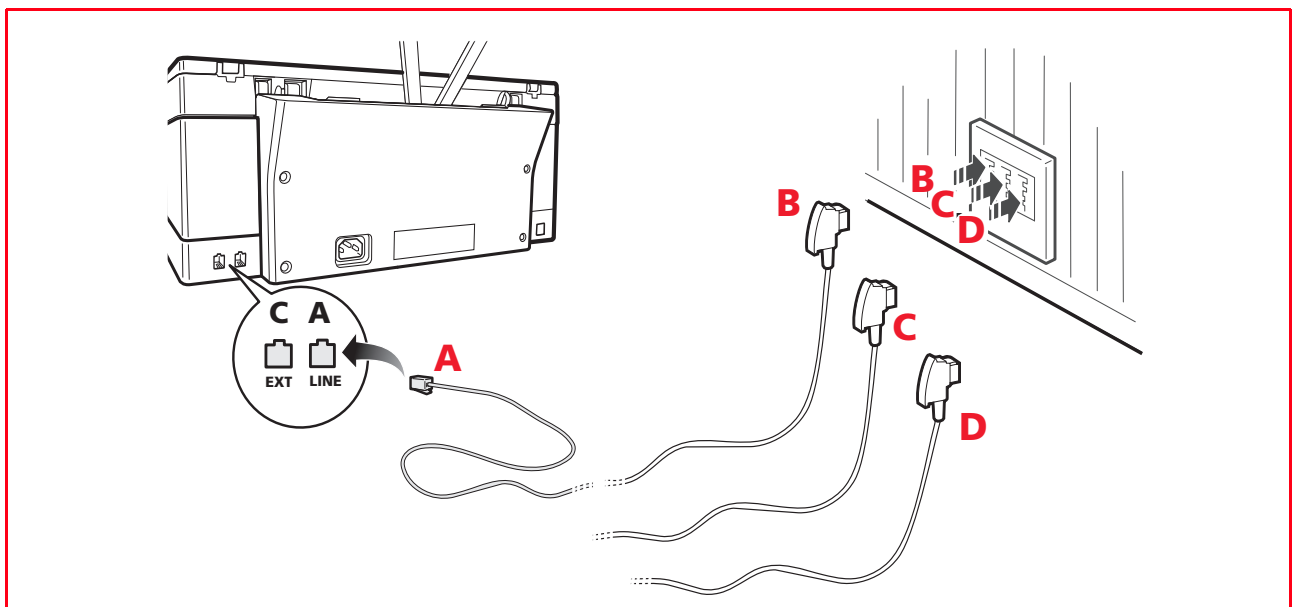


Connection case 3

Insert the plug of the additional appliance in the connection socket (wall type) to the telephone line (see related diagram).

Also, using the specific adapter (as for the first type of connection), another appliance can be connected in the "EXT" connection socket to the telephone line on the printer.

- A** = telephone line input (LINE IN)
- B** = wall socket for telephone plug
- C** = socket for external telephone, modem or telephone answering device (EXT)
- D** = socket for external telephone, modem or telephone answering device or other appliances



HOW TO INSTALL THE FAX (FAX MODEL)


After connecting the telephone cord and the power cord, press the ON button of the printer; a self-test cycle is run and on completion a message indicating that the printer is ready for use as Fax is shown on the display. If a list of available languages is shown in sequence on the display, use the numeric keypad to select the language desired. The same procedure must then be carried out for selection of the nationality, current date and time and any other settings that vary according to nationality and the country selected.

Installation

- 1 If the printer has not been preconfigured, at power-on all the languages available are shown in sequence on the display.
- 2 When the languages available are shown in sequence on the display with 2 digits "nn" which identify these, press the keys referring to the number "nn" which matches the language desired.
- 3 Confirm selection pressing the **1** key; the display shows possible selections for the destination country.
note: If you press the **0** key, you will return to point 2.
Each country shown on the display is identified by a number "nn" with which it is associated.
- 4 Press the keys of the "nn" number corresponding to the destination country desired.
- 5 Confirm your selection pressing the **1** key; the display shows setting information of the current data and time.
note: If you press the **0** key, you will return to point 4.
- 6 Use the fax control panel and enter the date and time from the numeric keypad.
Set the date confirming this with the Start Fax button.
Set the time confirming this with the Start Fax button.
- 7 On completion, confirmation of the data entered is requested with the possibility of confirming with the **1** key or canceling with the **0** key.
- 8 Press the **1** key; the request to enter the phone number of the sender is shown on the display.
note: Pressing the **0** key, it is possible to return to setting of the current date and time return to point 6.
- 9 Enter your phone number and then confirm with the Start Fax button.
note: Pressing the **C** key, it is possible to cancel the digits entered. Pressing the **0** key restores previous status for entry of the telephone number (return to point 9).
- 10 Press the **1** key, the printer switches to stand-by mode and is ready for use.
In certain countries, further settings are necessary; in these cases, continue installation.
- 11 After the phone number has been confirmed, a prompt to set recognition of the rhythm of the rings is shown on the display. Press the 1 key to access the setting procedure.
Pressing of the **0** key returns to stand-by mode and the printer is ready for use.

note: The ring rhythm recognition feature is available in certain countries and makes it possible to assign two or more numbers corresponding to different users to the same telephone line. When a call is received, the different rhythm of the rings will indicate which user must reply. This function is very useful in the home or in small offices where the same telephone line is shared by several people.

The Fax is able to learn one of these rhythms; in this way, when a call is received with that specific rhythm, the Fax (in TAD/FAX reception mode) prepares always and only to receive a document. This function is particularly suitable if associated with silent reception as the Fax will ring only in the case of a phone call.

- 12 If the  key has been pressed, a message is displayed indicating auto-recognition of the rhythm of the rings. Calling the printer at the dedicated phone number, using the rhythm desired, the sequence of the rings will be detected automatically. Confirmation of auto-recognition is provided on the display.
- 13 Fax installation has now been completed; the printer remains in stand-by mode.

note: In the case of a blackout, the date and time will be lost. At power-on, the printer requests entry of the date and time:

press in sequence the keys  + Start fax button.

note: If you wish to repeat the fax installation procedure in stand-alone mode, enter the following keys

in sequence:  +  + .

note: If your country is not amongst those shown on the display, refer to the following table:

Country	Country to be Selected	Country	Country to be Selected
Argentina	AMERICA LATINA	Mexico	AMERICA LATINA
Australia	NZL/AUSTRIA	New Zealand	NZL/AUSTRALIA
Austria	ÖSTERREICH	Norway	NORGE
Belgium	BELGIUM	The Netherlands	HOLLAND
Brazil	BRASILE	Portugal	PORTUGAL
Chile	AMERICA LATINA	Perù	AMERICA LATINA
China	CHINA	Czech Republic	CZECH
Colombia	AMERICA LATINA	Rest of the world	INTERNATIONAL
Denmark	DANMARK	Spain	ESPAÑA
Finland	FINLAND	South Africa	S. AFRICA
France	FRANCE	Sweden	SVERIGE
Germany	DEUTSCHLAND	Switzerland	SCHWEIZ
Greece	GREECE	Turkey	TURKEY
Israel	ISRAEL	UK	U.K.
Italy	ITALIA	Uruguay	AMERICA LATINA
Ireland	UK/IRLANDA	Venezuela	AMERICA LATINA
Luxembourg	BELGIUM		

2 USING YOUR PRINTER WITHOUT A COMPUTER

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INTERRUPTION OF FAX TRANSMISSION/RECEPTION (FAX MODEL)

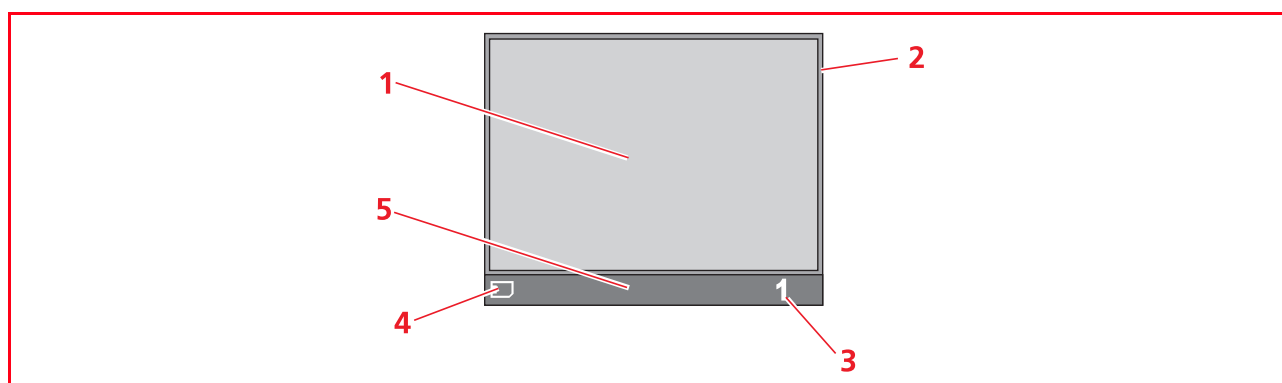
MODIFICATION OF THE TYPE OF RING FOR REPLY (RING DIFFERENTIATION) (FAX MODEL)

COPYING A DOCUMENT

- 1 Turn on your printer. See "Turning Your Printer On and Off".
 - 2 Make sure that the out of black or colour ink indicators on the front panel are not flashing, or are not illuminated. If either one is, it is suggested that you replace the corresponding ink cartridge. For more information see "Replacing the Ink Cartridges".
 - 3 Load the paper on which you want to print. For information see "Loading Paper".
 - 4 Open the top cover and place the document you want to copy face down on the scanner glass. Make sure the upper left corner of the front of the item aligns with the upper left corner of the scanner glass. For more information see "Placing Your Document on the Scanner Glass".
 - 5 Close the top cover.
 - 6 Select the copy quality, either Normal or Photo, by pressing the Quality button. If you are copying a normal black/white text or a mixed black/white and colour document, choose Normal. If you are copying a photo or a document with photos, choose Photo. For more information see "Printer Front Panel".
 - 7 Select the contrast, either Dark, Light or Normal, by pressing the Contrast button. For more information see "Printer Front Panel".
 - 8 To make more than one copy, press the plus sign (+) on the Copy selection button the number of times needed until displaying the number of copies on the copy counter. For more information see "Printer Front Panel".
 - 9 Press the Black Copy button to create a black and white copy, or press the Colour Copy button to create a colour copy. For more information see "Printer Front Panel".
- note:** If you are copying on different paper sizes with respect to the size of the original, press and hold down the Black Copy or Colour Copy button to activate the Fit-to-Page feature. The printer will automatically adjust the size of the original document to fit the size of the paper loaded.

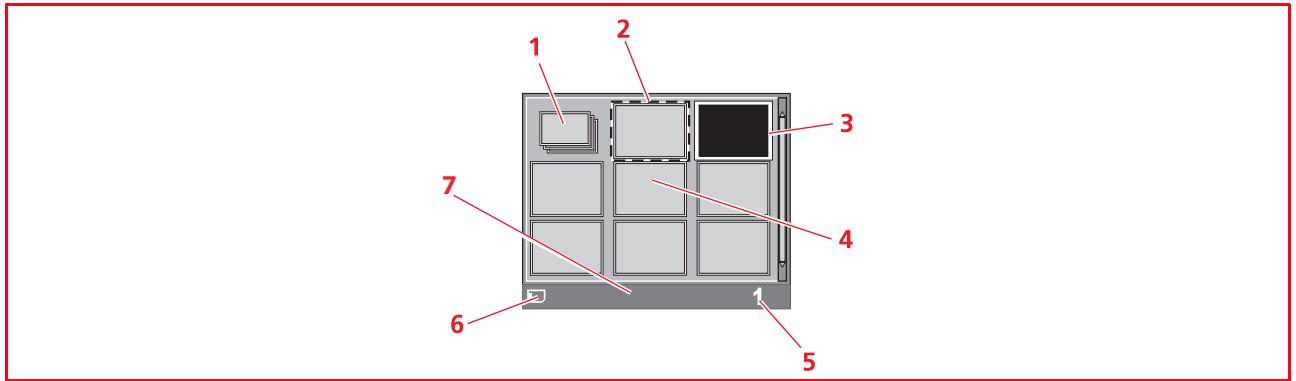
VIEWING PHOTOS ON YOUR PRINTER'S DISPLAY

Full-Screen Views



Reference	Part	Description
1	Browse window	Displays the current photo.
2	Select frame	Indicates selection status and changes color when selection is confirmed.
3	Image Total field	Number of selected photos that you wish to print.
4	Device icon	Represents the device connected.
5	Icon bar	The bar with the various icons.

Thumbnail Views



Reference	Part	Description
1	Photo counter	Shows how many photos are stored on the connected device.
2	Select frame	Indicates that the photo was selected by using the Select button.
3	Browse frame	Highlights the current image as a result of the of the pressing of the Navigation button.
4	Thumbnail grid	A total of 9 grids where the photos are displayed in miniature format.
5	Image total field	Indicates the number of photos that you want to print.
6	Device icon	Indicates the device connected.
7	Icon bar	The bar with the various icons.

Navigation and selection: use the Navigation key

- 1 Use the navigation key to scroll all the photos saved on the connected memory device.
- 2 Select the photo displayed and that you want to print, press the Select button.
- 3 Deselect the photo displayed, press the Select button again.

CREATION AND PRINTING OF THE PHOTO INDEX

When a non-PictBridge device is connected to the printer and when DPOF files are not associated with the images saved, the **Print** button is active on the display of the printer (the Print button is lit).

If the **Print** button is pressed without having selected any of the images displayed, printing of the Photo Index is started.

The Photo Index contains the images with borders in a 5x4 thumbnail format and a space is provided under each for selection of the number of copies (1 to 4); at the bottom of the page, the user can select printing with or without borders and the full formats, 2x1, 4x1.

The Photo Index, compiled with the selections desired, must be positioned on the exposure bed of the scanner and printing is started pressing the **Print** button for a few seconds.

The printer recognizes the Photo Index positioned on the exposure bed and the photos selected will be printed as indicated.

Print quality must be set from the front panel of the printer while the image will be adapted automatically to the format of the paper present in the paper feed.

The Photo Index can be re-used several times; to re-use it correctly, the same device must be present, the same photos positioned in the same order and the device must be connected to the printer.

HOW TO IMPROVE PRINT QUALITY OF THE PHOTOS

Photo print quality can be improved using the "**Magic**" button.

- 1 Press the "**Magic**" button: the printer analyzes the images and makes the necessary corrections.
note: The results of these operations are not shown on the LCD so as not to alter the original photo: the result is visible only during printing.
- 2 Press the "**Print**" button to print the photos modified; hold down the "**Magic**" button selected.

PRINTING OF PHOTOS FROM MEMORY CARD OR CAMERA

To obtain the best results when printing photos, it is advisable to install the color cartridge and the photo cartridge and to use photographic paper. See "Replacement of the black ink and photographic cartridges using the garage".

- 1 Insert the memory card that you wish to print from into its related connector on the printer.
- 2 A screen indicating the total number of compatible photos stored on the memory card is displayed on the control panel LCD. If needed, press the Change View button to toggle between full-screen and thumbnail screen views. See "Viewing Photos on Your Printer's Display". An icon on the bottom left-hand side of the screen's icon bar will indicate the device connected.
- 3 Using the right, left, up and down navigation buttons, scroll the photos until the frame highlighted is positioned on the photo to be printed and then select it.
- 4 Select the number of copies of the photo selected to be printed pressing the (+) or (-) button until the number desired is shown to the bottom right of the photo. The total number of images that will be printed is shown in the bottom right corner of the icon bar.
- 5 Select the layout in which you wish to print the selected photos by pressing the Page Layout button the number of times needed to select the required layout. You have the following possibilities:
 - Print 1 borderless photo fitted on the page size
 - Print 1 photo with borders and fitted on the page size
 - Print 2 borderless photos fitted on the page size
 - Print 4 borderless photos fitted on the page size.
- 6 Clicking on the icon that indicates the total number of photos saved, it is also possible to print the index of all the photos selecting the "All the Photos" layout.
- 7 Press the **Print** button to print the photos selected. The illuminated icons switch off, the photo processing screen page is shown on the LCD. At the end of the printing process, the screen page that indicates the total number of photos saved will be redisplayed.

PRINTING PHOTOS FROM YOUR PICTBRIDGE DIGITAL CAMERA

To obtain the best results when printing photos, it is advisable to install the color cartridge and the photo cartridge and to use photographic paper. See "Replacement of the black ink and photographic cartridges using the garage".

- 1 Make sure your PictBridge digital camera is turned on and connected to the printer. For more information, see "Connecting a Digital Camera to Your Printer".
- 2 Printing is managed directly by your camera, so read your camera's User's Guide for instructions on how to print your photos.
During printing, the Print button will flash to indicate that a print job is under way.
note: If the size of the paper loaded in the printer is different than the paper size selected from the digital camera for printing and you begin to print, the printed output will be wrong.

PRINTING PHOTOS FROM YOUR DPOF DIGITAL CAMERA

Your printer is capable of recognizing the DPOF information associated to picture files. In the case of a DPOF digital camera, the printer will print the photos that you select directly from your camera.

note: Before proceeding, make sure that your digital camera is DPOF-complaint by reading the camera's User's Guide.

To obtain the best results when printing photos, it is advisable to install the color cartridge and the photo cartridge and to use photographic paper. See "Exchanging Black and Photo Ink Cartridges".

- 1 Make sure your DPOF digital camera is turned on and connected to the printer. For more information, see "Connecting a Digital Camera to Your Printer".
- 2 Select the print Quality according to your printing requirements.
- 3 Press the **Print** button on your printer's front panel to print your photos. For more information see "Printer Front Panel".

note: If the size of the paper loaded in the printer is different than the paper size selected from the digital camera for printing and you begin to print, the printed output will be wrong.

PRINTING OF PHOTOS FROM A BLUETOOTH MOBILE PHONE (WIRELESS MODEL)

The Bluetooth component is integrated in the wireless model.

The default password is 0000 so as to permit direct printing of any file transmitted by a mobile phone in a radius of 10 meters from the printer.

note: If the printer is connected to a computer by means of a USB cable, the default Bluetooth password can be modified using Toolbox software.

- 1 Make sure that paper has been inserted in the printer. For further information, see "Loading Paper".
- 2 Switch on the printer. The Bluetooth capabilities of the printer are activated automatically.
- 3 Activate the Bluetooth device from which you want to print in a radius of 10 meters from the printer, start the Bluetooth search procedure directly from the device which will search for another nearby (in this case, the printer) with which to share the data.
For information regarding the search procedure, refer to the User Guide of the device used.
- 4 When the Bluetooth device locates the printer, printing is started directly by the device.
For further information, refer to the User Guide of the device used.

HOW TO SET THE PRINTER TO RECEIVE FAX MESSAGES (FAX MODEL)

In fax mode, the printer is set to reply automatically to all calls.

If manual reply to fax messages has been set, the incoming call must be answered personally using an additional telephone and then pressing the Start button to receive the fax.

The printer distinguishes automatically between fax calls and telephone calls setting one of the reply modes described below.

Setting of reply mode

Reply mode establishes whether or not the printer is to answer incoming calls.

The following modes are available:

- **AUTOMATIC:** The printer switches automatically to fax reception mode (default setting). For all occasions in which the user is **absent** but wishes to receive fax messages.
- **MANUAL:** Advisable only if an additional telephone is connected. The printer emits a sound and the user must answer the call. For all occasions in which the user is **present** and can therefore answer the call personally.

note: If an extension that works in multi-frequency mode and is preset for manual reception is connected to the printer, at each call from a correspondent wishing to send a document, it is possible to start fax reception sending the * + * code from the extension phone.

This operation is similar to pressing the Start Fax button from the control panel of the Fax.

Use the Toolbox to modify its settings.

- **TELEPHONE/FAX:** Advisable only if a second telephone is connected; the printer recognizes whether the call is a fax or voice call. If an intermittent alarm is emitted by the loudspeaker and then a continuous beep, the user can answer from the telephone; if the user does not answer within a certain time, the fax issues a report. In this reception mode, after a certain number of rings (usually 2), the printer connects to the telephone line and is able to recognize whether the incoming call is a fax call or a telephone call.
- **ANSWERING DEVICE/FAX:** Advisable only if an external answering device is connected; the printer automatically recognizes the fax or voice call; a voice call is saved externally on an audio device (TAD). In this reception mode, the answering device receives the calls, records messages of the caller and if the caller intends to send a fax message allows the printer to receive this. The number of rings of the answering device must be lower than the number of rings set on the fax.

To set reception, switch on the printer and wait until it is on line.

Press the RX key and select one of the reception modes, i.e. **AUTOMATIC, MANUAL, TELEPHONE/FAX, ANSWERING DEVICE/FAX.**



SENDING A FAX MESSAGE (FAX MODEL)

Fax messages can be sent in various ways:

- Transmission from the control panel of the fax.
- Transmission from the computer. See "Use of the printer from a Computer".

It is also possible to send a fax message manually from a connected telephone. In this way, it is possible to speak to the recipient before sending the fax.

Transmission from the control panel of the fax

- 1 To send a fax message, switch on the printer, check that it is connected to the telephone line and wait until it is on line.
- 2 Position the original on the scanning bed, press the Fax button B/W or color to acquire the document via the scanner and load it in the memory. The display indicates that acquisition is in course.
note: Check that the other party is enabled to receive color fax messages.
- 3 When scanning has been completed, the display indicates that further pages can be acquired.
- 4 Press the  key to acquire other pages or the  key to terminate the acquisition phase and send the fax.
- 5 Dial the phone number of the fax to which the document is to be sent with:
 - the numeric keypad (manual transmission) and then press the Fax button.
 - with the Agenda selecting this from the list of numbers present (automatic transmission with agenda) and then press the Fax button.

How to use the Agenda of the fax

Up to 10 names can be saved in the agenda available on the fax pressing the "**Agenda**" button on the fax control panel.

The following can be saved for each name:

- Fax telephone number (max. 48 characters)
 - recallable name for which 16 characters are available.
- note:** Names can be inserted only by the "**Toolbox**" program via the computer.

Pressing the "**Agenda**" button on the fax control panel, the user accesses the Agenda in order to call the names present or to recall the last telephone/fax number called.
The Agenda contains a maximum of 10 names.

- 1 Press the "**Agenda**" button; the display indicates that it is possible to recall the last number entered.
note: Press the Fax button to dial the last number entered.
- 2 Press the "**Agenda**" button: the first fax number inserted in the Agenda is shown on the display.
- 3 Continue to press the "**Agenda**" button to scroll the list of names until the number desired is displayed and press the Fax button to confirm selection.

HOW TO PRINT REPORTS (FAX MODEL)

Fax activity reports are available from the control panel of the Fax pressing the "**Reports**" button.

When the "**Report**" button is pressed, the printer shows two print options on the display:

- Last transmission report: press the "Reports" button and then the Fax button.
- Fax mode activity report: press the "Reports" button twice and then the Fax button.

Printing of the last transmission report can be activated "always" (therefore a fax sent report is printed automatically for each fax) or is printed only in the case of a transmission error (default setting), or is never printed.

To enable or disable these conditions, select the fax Configuration menu from the "**Toolbox**" program.

The transmission report consists of two identifiers: the telephone number called and the reply number obtained after making the connection, the result, etc.

The fax mode activity report provides a printout of the journal of the Fax with 42 positions saved regarding fax activities.

The journal of the fax is printed automatically every 32 operations performed.

Fax power failure report

In the case of a power failure, at subsequent power-up, a report is printed and a message is shown on the display requesting re-entry of the current date and time.

In the case of a power failure with loss of data, at power-up a report of the activity carried out by the printer is printed.

RESTORE OF FAX DATE AND TIME (FAX MODEL)

In the case of a power failure, the messages saved will be lost and the next time the printer is switched on an activity report is printed.

No back-up copy of the data in the memory is made and these are lost; information regarding the date and time must also be re-entered.

To reset the date and time manually, switch on the printer; a request to enter the current data and time is displayed.

Press the **1** key followed by the Start Fax button.
The message to set the date is shown on the display.

Enter the date and press the Start Fax button. The message to set the time is shown on the display.
Enter the time and press the Start Fax button.

Press the **1** key to confirm or the **0** key to return to setting the date.

HOW TO MODIFY FAX SETTINGS: RESOLUTION AND CLEAR/DARK (FAX MODEL)

Resolution can be adjusted pressing the key on the control panel of the fax.

Possible options include: **normal**, **fine** and **photo** available in **Black and White** mode or **fine** and **photo** for **Color**.

In photo mode, resolution is set to fine and shade levels are attributed with gray scale error diffusion.

note: The resolution may be modified during acquisition of several pages; the effect of the modification will be visible from the page following the modification.

Contrast can be adjusted only from the "**Toolbox**" program via the computer; the printer permits setting of 8 levels of contrast.

HOW TO ELIMINATE FAX MESSAGES FROM THE MEMORY (FAX MODEL)

Fax messages are stored automatically in the memory in the case in which:

- the printer is carrying out other activities (for example printing from computer)
- errors occur on the printer (paper out, ink out, etc.)

The documents in the memory are printed automatically as soon as the printer is available or once the error has been eliminated.

During reception of fax messages in the memory, the display shows an information message indicating that there are documents in the memory.

During printing of fax messages from the memory, it is possible to:

- receive other documents in the memory.
- call the external telephone (if any) connected to the printer.

INTERRUPTION OF FAX TRANSMISSION/RECEPTION (FAX MODEL)

Any activity on the fax can be interrupted at any time pressing the  key.
The printer interrupts the current activity.

MODIFICATION OF THE TYPE OF RING FOR REPLY (RING DIFFERENTIATION) (FAX MODEL)

The printer can emit three types of sounds:

- **Ringer:** Telephone ringer and telephone/fax ringer.
- **Alarm and warning:** To regulate the level of the error signal.
- **Line monitor:** To hear the dialing tones when dialing the number.

Volume adjustment

The printer permits sound volume adjustment.

Adjustment is carried out from the computer via the "**Toolbox**" program and can be set separately for all 3 environments: ringer, alarm and warning, line monitor.

3 USING YOUR PRINTER FROM A COMPUTER

BEFORE YOU BEGIN

THE TOOLBOX

THE PRINTER STATUS MONITOR

PRINTING, COPYING AND SCANNING FROM THE TOOLBOX

PRINTING FROM YOUR APPLICATION USING PRINT PROPERTIES

SCANNING AN ORIGINAL FROM YOUR APPLICATION

SCANNING AN ORIGINAL FROM THE PRINTER FRONT PANEL

TRANSFERRING FILES FROM A MEMORY CARD TO YOUR COMPUTER

HOW TO SET THE PARAMETERS TO IMPROVE PHOTO PRINT QUALITY

SETTING NETWORK CONNECTION PARAMETERS

USING THE WEB SERVER (WIRELESS MODEL)

BLUETOOTH SYSTEM SETTINGS (WIRELESS MODEL)

FAX SETTINGS FROM THE TOOLBOX PROGRAM (FAX MODEL)

HOW TO SEND A FAX USING THE COMPUTER (FAX MODEL)

BEFORE YOU BEGIN

This chapter outlines the basic operating information that will put you in the condition to start using your printer when connected to a computer. For more information to take full advantage of all the features offered, read the Online Help.

To access the Online Help from Windows:

- 1 Select the **Help** button in the dialogue boxes.

Before you begin:

- 1 Make sure that your printer and personal computer are connected properly and that the software on the "Installation" CD-ROM was successfully installed on the computer as indicated in the Setup Diagram provided with your printer.
- 2 Load the paper on which you want to print. For more information see "Loading Paper".
- 3 Make sure that the out of black or colour indicators on the front panel are not flashing, or not illuminated. If either one is, it is suggested that you replace the corresponding ink cartridge. For more information see "Replacing the Ink Cartridges".

THE TOOLBOX

The Toolbox application allows you to control printing, copying, and scanning operations directly from a single user interface on your computer monitor. You can also fax the document that you have scanned with your all-in-one printer if a fax application is installed in your computer and your computer is equipped with a modem.

For the Wireless model, the parameters necessary to access a Wi-Fi network can be set.

Included in the "Installation" CD-ROM, the Toolbox is installed automatically on your computer when you install the software contained on this CD-ROM.

note: "Guided installation of the printer" uses a network protocol to send and receive information. During this exchange of information, when a firewall has been activated, certain communications may be blocked; make sure that the network port used by the printer is "open", i.e. is unaffected by this block (the predefined setting of the port of the printer is UDP).

In the case of irregular or discontinuous functioning, check the settings of the firewall on the PC in the Windows 2000/XP environment. To do this, from "network resources", select the connection concerned and using the right-hand button of the mouse access properties and then firewall settings: it is advisable to disable the UDP port or, if in doubt, disable the protective action of the firewall.

note: "Guided installation of the printer" in the Mac OS X environment detects only printers shared via the "Share printer" option when the computer uses the Mac OS X 10.2 or higher system.

From the Toolbox main screen, you can:

- Print images and make copies.
- Scan documents or photos and decide where to send the scanned image.
- View the amount of ink remaining in the ink cartridges installed.
- Access a solutions and assistance facility where you can:
 - Clean and test the ink cartridge nozzles.
 - Automatically align the ink cartridges to improve your print quality.
 - Find the address of the manufacturer's web site, where you can access the information needed to purchase new ink cartridges.
 - Access troubleshooting information.
- Access to the functions used to improve image quality.
- Access the network Settings function for the Wireless (Wi-Fi) mode (wireless model).
- Access the network Settings function for the Bluetooth (Wi-Fi) mode (wireless model).
- Access to fax setting functions for Fax mode (Fax model).

note: (wireless model) If the printer has been set previously for Bluetooth and you no longer wish to use this mode (or Wi-Fi mode is to be used instead of this), run the Toolbox program and in the settings de-activate "Bluetooth". Bluetooth and Wi-Fi mode cannot be activated at the same time.

THE PRINTER STATUS MONITOR

The Printer Status Monitor provides information on the current state of your printer. It is installed permanently on your computer when you install the software contained on the "Installation" CD-ROM. Displayed automatically at the beginning of a print or copy job, the Status Monitor:

- displays a graphical representation of the percentage of the print or copy job already completed.
- displays the page number being currently printed or copied out of the total number of pages of the job.
- displays a graphical representation of the estimated amount of ink, in percentage, still available in the colour and black cartridges.
- allows you to cancel the print or copy job.
- provides you with the address of the manufacturer's web site, where you can access the information needed to purchase new ink cartridges.

The Status Monitor closes automatically at the end of the print or copy job, but you can close it to its icon on the Windows task bar at any time.

If you decide to close the Status Monitor during a print or copy job, it will be automatically redisplayed in the following conditions:

- when the ink remaining in the cartridges is low, or when the cartridges are out of ink. A coloured exclamation mark will indicate the cartridge in a low ink condition (colour, black, or both) and the importance of the condition. Pop-ups will be displayed with the address of the manufacturer's web site, where you can access the information needed to purchase new ink cartridges.

The Printer Status Monitor also displays error pop-ups when:

- your printer runs out of paper.
- a paper jam has occurred.
- an incorrect paper size was selected.
- your printer is busy with another task.
- your printer is not recognised.
- the ink cartridge carriage is jammed.
- your printer does not work (printer error).

In all of the above error conditions, you can choose whether to continue or cancel the print job by clicking the related button on the screen.

To access the Toolbox:

- 1 Right click your mouse button on the Olivetti icon on the Windows task bar, or click **Start > Programs** or **All Programs > Olivetti > Olivetti Toolbox**. The Toolbox is displayed.

note: In the Mac OS X environment, the **Toolbox** program is available clicking on the icon present on the desktop or selecting it from the list of programs installed.

The main area of the Toolbox includes the icons representing the different tools available.

Icon	You can:
Print photos	<ul style="list-style-type: none">• Browse your hard disk or the memory of the non-Pictbridge/DPOF digital camera connected to your computer, to search for the folder containing photos to print.• Select all the photos stored in the folder or just the individual ones wanted, and choose how many copies to print.• Select the type of paper to print on, and its size.• Select whether to print the photos on a single page, two on one page or four on one page.• Print an index sheet of photos.• Print the photos you have selected.
Photocopier	<ul style="list-style-type: none">• Define the type of document to be copied.• Choose the paper on which to print your copy on, and its size.• Define the quality for your copy.• Lighten or darken your copy, and define whether it is colour or black and white.• Select the layout of your printed copy: make multiple copies of the same image on a single page, make poster-size copies by defining the number of pages on which to fit the copied image, clone the copied image the number of times needed without resizing the image, or just print the copied image on one page.• Enlarge or reduce the document or photo to be copied, or automatically adjust its size so that it fits on the selected paper size.• Select the number of copies to make.
Memory card file transfer	<ul style="list-style-type: none">• Transfer the contents of the memory card inserted in the printer to a folder on your computer. See "Transferring Files from Memory Card to your Computer".
Scan to file Scan to application Scan to email Scan to fax	<ul style="list-style-type: none">• Scan a preview of the document or photo placed on the scanner glass.• Use selection handles to delimit the area of the preview image that you want to scan.• Rotate, flip, enlarge or reduce the preview image.• Define the type of document to be scanned, and whether it is full-colour, has shades of grey or is in black and white.• Define the resolution, colour depth, brightness and contrast of the scanned image. <p>Depending on the tool selected:</p> <ul style="list-style-type: none">• With Scan to file, save the scanned image in a TIFF (.tif), bitmap (.bmp) or JPEG (.jpg) format in a folder on your computer.• With Scan to application, scan the document or photo to an application of your choice (such as a graphics program, a word processor or desk-top publisher).• With Scan to email, attach the scanned document or photo, in compressed .jpg format, to an e-mail message opened by the default e-mail application of your computer.• With Scan to fax, scan the document or photo, in compressed .jpg format, to a fax application that you select.

The Toolbox main interface screen also provides links to Help, Solutions and assistance, and Settings.

Link	You can:
Help	<ul style="list-style-type: none">• Read more information on the currently displayed topic.
Solutions and assistance	<ul style="list-style-type: none">• Clean and test the ink cartridges.• Automatically align the ink cartridges. See "Aligning the Ink Cartridges From the Toolbox".• Find the address of the manufacturer's web site, where you can access the information needed to purchase new ink cartridges.• Access troubleshooting information.
Settings	<ul style="list-style-type: none">• Change the Toolbox default settings.

PRINTING FROM YOUR APPLICATION USING PRINT PROPERTIES

- 1 With the document or photo open in the application that you are using, click **File > Print** to open the **Print** dialogue box.
- 2 Click **Preferences** or **Properties**, depending on your operating system. The printer driver user interface screen is displayed, allowing you to use your all-in-one printer as indicated in the following table.

Preferences/Properties:	You can:
Paper/Quality	<ul style="list-style-type: none">• Select manually whether the document to be printed consists of black text or line art only, a combination of black text or line art and colour graphics or photos, or just photos, or have the printer automatically detect the document as consisting of a combination of black text or line art and colour graphics or photos.• Select the type of paper you want to use, and its size.• Define the size, in either inches or millimetres, of any personalised paper you may want to use.• Select to print without borders after selecting Coated, Glossy or Cards as your paper type.• Select whether to load the paper manually, bearing in mind that if you load paper that is smaller than the selection made, the printer will eject the paper prompting you to load paper according to the selected size.• Select the quality of your printed output depending on your requirements.• Select whether to print your photos in true-life colour (Photo Quality) when loading photo paper and selecting photos as your document type.• Select to print in Black and White or in Colour, depending on your original document.• Define the number of copies to print, and whether or not to start printing from the last page first.• Return the screen settings to their factory default values, or save the settings so they are applied to your next print job.

Preferences/Properties:**You can:**

Layout

- Select to print the individual pages of your document, or your photos, on a single page layout.
- Select to print multiple pages on a single sheet of paper, fitting 2, 3, 4 or 8 pages of your document, or photos, on the single sheet.
- Define the order in which the multiple pages will be fitted on the single sheet of paper, and whether to place a border around the individual page images on the single sheet of paper.
- Select to print multiple pages per poster, thus expanding the contents of a single page onto more than one sheet of paper.
- Define on how many sheets (2x1, 2x2, 3x3 or 4x4) to fit the selected poster image and decide whether to place a frame around each individual image that will make up your poster.
- Return the screen settings to their factory default values, or save the settings so they are applied to your next print job.

Ink Levels

- View the estimated amount of ink remaining in the black and colour ink cartridges.
- Link directly to the Toolbox Maintenance screen where you can view maintenance and troubleshooting information.
- Link directly to a screen that provides you with the address of the manufacturer's web site, where you can access the information needed to purchase new ink cartridges.

SCANNING AN ORIGINAL FROM YOUR APPLICATION

- 1 Open the top cover and place the document or photo you want to scan face down on the scanner glass. Make sure the upper left corner of the front of the item aligns with the upper left corner of the scanner glass. For more information see "Placing Your Document on the Scanner Glass".
- 2 Acquire the image from your application.
The scanner driver user interface screen is displayed with a low resolution preview of the document or image on the left-hand side of the screen. You can:
 - Use selection handles to delimit the area of the preview image that you want to scan.
 - Rotate, flip, enlarge or reduce the preview image.
 - Scan a new preview in case you accidentally removed the original from the scanner glass.
 - Launch your final scan according to the settings that you have made.On the right-hand side of the scanner driver interface screen, customise your scan settings as indicated in the following table:

Driver of the scanner**You can:**

Standard

- Define whether the document to be scanned consists of black text or line art only, a combination of black text or line art and colour graphics or photos, or just photos, and therefore scan at 150 dpi, 300 dpi or 600 dpi respectively.
- Select whether to scan in full colour at 24 bits/pixel, in grey at 8 bits/pixel or in black and white at 1 bit/pixel.
- Return the screen settings to their factory default values, or save the settings so they are applied to your next print job.

Driver of the scanner**You can:**

Custom

- Select the resolution at which you want to scan.
- Select the colour depth, meaning the number of distinct colours that can be represented in number of bits.
- Lighten or darken the image you want to scan.
- Increase or decrease the contrast of the image you want to scan.
- Activate a filter that smooths the image, for example when scanning magazine pages.
- Return the screen settings to their factory default values, or save the settings so they are applied to your next print job.

SCANNING AN ORIGINAL FROM THE PRINTER FRONT PANEL

1 Open the top cover and place the document or photo you want to scan face down on the scanner glass and aligned with the upper left corner. For more information see "Placing Your Document on the Scanner Glass".

2 Press the **Scan** button on your printer's front panel. A pop-up is displayed with the following Toolbox tools: Scan to file, Scan to application, Scan to e-mail and Scan to fax. Select where you want to send the scanned image by clicking on the corresponding tool icon. See "Printing, Copying and Scanning From the Toolbox".

The scanner driver user interface screen is displayed with a low resolution preview of the document or image on the left-hand side of the screen. You can:

- Use selection handles to delimit the area of the preview image that you want to scan.
- Rotate, flip, enlarge or reduce the preview image.
- Scan a new preview in case you accidentally removed the original from the scanner glass.
- Launch your final scan according to the settings that you have made.

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- Select whether to scan in full colour at 24 bits/pixel, in grey at 8 bits/pixel or in black and white at 1 bit/pixel.
- Return the screen settings to their factory default values, or save the settings so they are applied to your next print job.

Custom

- Select the resolution at which you want to scan.
- Select the colour depth, meaning the number of distinct colours that can be represented in number of bits.
- Lighten or darken the image you want to scan.
- Increase or decrease the contrast of the image you want to scan.
- Activate a filter that smooths the image, for example when scanning magazine pages.
- Return the screen settings to their factory default values, or save the settings so they are applied to your next print job.

TRANSFERRING FILES FROM A MEMORY CARD TO YOUR COMPUTER

- 1 Insert into the corresponding slot on the printer, the memory card containing the files to transfer. See "Inserting and Removing Memory Cards".
- 2 Click the Toolbox shortcut icon on your Windows task bar, or click **Start > Programs** or **All Programs > Olivetti > Olivetti Toolbox**. The Toolbox is displayed.
- 3 Click the **Memory Card File Transfer** icon.
- 4 Click the **Browse** button and search for the folder on your computer in which to transfer the files.
- 5 Click the **OK** button once you have found the folder wanted.
- 6 Click the **Transfer** button to start the file transfer from the memory card to your computer.
note: To cancel the file transfer and return to the Toolbox's main screen, click the Cancel button.
For information, click **Help**.

HOW TO SET THE PARAMETERS TO IMPROVE PHOTO PRINT QUALITY

- 1 Open the "**Toolbox**" program to access image quality improvement functions.
- 2 Select the "**Print photo**" item to apply a correction filter.
- 3 With a click of the mouse, select the photo to be printed from the list on the screen in order to apply an image correction filter.
- 4 Apply the correction filter desired, clicking on the box before this.
The available correction settings differ and depend on the results to be achieved.
 - o It is possible, for example, to improve definition of details, to apply suitable contrast for the image and other effects.
- 5 To print the photo, click on the "**Print**" button.
The number of copies to be printed can be defined before clicking on the Print button.

SETTING NETWORK CONNECTION PARAMETERS

To configure the network, the printer must have been connected in USB mode and the Toolbox software must be installed. In the case of problems, refer to the "Printer Network Connection" and "Before You Begin" chapters for further details of the Toolbox environment.

Toolbox is the main application that manages the available functions of the printer and, for the wireless model, permits configuration of the network.

note: (wireless model) If the printer has been set previously for Bluetooth and you no longer wish to use this mode (or Wi-Fi mode is to be used instead of this), run the Toolbox program and in the settings de-activate "Bluetooth". Bluetooth and Wi-Fi mode cannot be activated at the same time.

note: "Guided installation of the printer" uses a network protocol to send and receive information. During this exchange of information, when a firewall has been activated, certain communications may be blocked; make sure that the network port used by the printer is "open", i.e. is unaffected by this block (the predefined setting of the port of the printer is UDP).

In the case of irregular or discontinuous functioning, check the settings of the firewall on the PC in the Windows 2000/XP environment. To do this, from "network resources", select the connection concerned and using the right-hand button of the mouse access properties and then firewall settings: it is advisable to disable the UDP port or, if in doubt, disable the protective action of the firewall.

note: The Wi-Fi settings of all the peripherals of a wireless network must be similar. This allows them to communicate. When the printer is added to a wireless network for the first time, this cannot communicate with network peripherals. The wireless network adapter of the printer must be configured on the same network name (SSID), wireless channel and wireless protection key (WEP or WPA), if used, as for all the other network peripherals.

In order to declare these parameters, the Toolbox program present in the list of applications must be run from the computer and "Settings" must be selected.

note: The Toolbox software with the Wi-Fi settings is compatible with the Windows 2000/XP environment. In the Macintosh OS X 10.2 or higher environment, it can be run from the system finder in the list of available programs or double clicking on the toolbox document in the folder in which the printer software has been installed previously.

Enable Wireless

Wireless communication mode

ADHOC (peer to peer) channel

infrastructure

Wireless network name

Authentication

open system shared key

Encryption

WEP key 1

WEP key 2

WEP key 3

WEP key 4

alphanumeric hexadecimal

Enter the parameters of the network so that the printer can be recognized on the network, making sure that the Wi-Fi network on which the printer is to be installed is operative.

The wireless settings required are: SSID (network name) of the network used, wireless channel (only Ad Hoc mode) used by the computer; method of communication, WEP key used by the wireless network.

note: The desktop computer or portable with wireless network connection support (only for Ad-Hoc mode) must be functioning and correctly configured.

note: If you have just purchased a portable or a desktop computer with wireless capabilities: SSID (network name) of the network used; wireless channel; method of communication, WEP password used by the wireless network.

Described below are the network parameter definition fields:

- **Enable wireless:** To enable or disable wireless communication; if disabled, the printer can be accessed in any case via the USB connection.
- **Wireless communication mode:** Makes it possible to select the type of connection for the Wi-Fi network, which may be:
 - **ADHOC (Peer-to-Peer) (pre-defined setting):** The printer communicates directly with the computer without passing through an access point or basic station. Each wireless peripheral in an Ad-Hoc network must have a wireless network adapter. The adapter allows each peripheral to communicate with the other network peripherals.
Use of Ad-Hoc mode is usually restricted to simple, relatively small wireless networks as performance tends to deteriorate considerably following connection of six peripherals in the network.
 - **Infrastructure (access point):** The printer communicates with the network computers through a wireless access point. The access point acts as a central hub or gateway connecting wireless peripherals.
In infrastructure mode, all wireless communications between network peripherals pass through an access point. Each wireless network peripheral must have a wireless network adapter for connection to the access point.
 - **Channel:** Indicates the path on which the digital information travels. By default, the channel is selected automatically; however, it is possible to indicate a specific channel in order to improve data reception/transmission in the case of disturbances or interference (Ad-Hoc).
- **Wireless network name (SSID):** Indicates the name of the wireless connection to which the printer must belong. The precise name of the network must be declared in order to add the printer to the existing group of network devices.
- **Authentication:** Selecting this mode, it is possible to connect to other devices in the wireless network. Each device may have a specific access key which depends on the type of network.
 - **Open system:** When the network devices do not have access protections and the network is therefore open for any type of connection.
 - **Shared key:** When network devices have common network access protection.
 - **EAP PSK (Infrastructure):** EAP means Extensible Authentication Protocol and uses the PSK algorithm. A single-direction authentication protocol, which authenticates the client using a password protected by the PSK algorithm. PSK (Pre-Shared Key) uses manually-entered passwords or keys to permit protection. PSK is designed for easy installation by the user at home or in small offices.
- **Encryption:** This is the type of protection that can be activated on the network. A network with open system authentication does not protect users according to their identity and generally requires entry of the correct SSID.
 - **WEP:** This network could use WEP (Wired Equivalent Privacy) encryption to provide a first level of protection against occasional, indiscrete users. Up to 4 WEP keys are available: **WEP key 1, WEP key 2, WEP key 3, WEP key 4.** The protection keys may be alphanumeric or hexadecimal.
 - **WPA:** In Infrastructure mode with EAP/PSK authentication, WPA encryption is used. This mode provides an improved, safer method of protection compared with WEP.

Declaration of Network Addresses

After declaring the type of network, you must enter the parameters for recognition of the printer which must comply with the specifications of the TCP/IP network protocol; therefore, network address (IP), subnet mask and gateway.

note: It is advisable to save or print this Configuration page; the data are important for any subsequent settings. However, it is always possible to display this page opening the **Toolbox** program, selecting the "Wireless" network settings or from the menu **Start > Programs > Any_way Wi-Fi > Configuration**.

Network	<input checked="" type="checkbox"/> manual IP configuration
host name	DAW0011E20548D6
IP	192 . 168 . 1 . 134
subnet mask	255 . 255 . 255 . 0
default gateway	192 . 168 . 30 . 1
idle timeout	60 [seconds]
primary WINS server	192 . 168 . 30 . 2
secondary WINS server	192 . 168 . 30 . 3
MDNS	
service name	ANY WAY wifi (0011E20548D6)
domain name	DAW0011E20548D6.local
<input type="button" value="Send setting"/>	

Described below are the network address definition fields:

- **Manual IP configuration:** Manual configuration is necessary when a DHCP server that assigns a network address automatically is not available. In this case, manual configuration, which consists in entering the available network addresses (IP, subnet mask, gateway), is necessary.
- **Host name:** Is the name of the printer in the network.
- **IP, subnet mask, default gateway:** The univocal names of the network parameters are those required by TCP/IP (Transmission Control Protocol/Internet Protocol standard, a communication protocol that defines the method of data transmission to network peripherals). Virtually, all modern operating systems offer TCP/IP assistance and most large networks use the TCP/IP protocol for network traffic. Indicate the IP address, subnet mask and the pre-defined Gateway maintaining the same class of addresses as the Wireless router or access Point.
- **Idle timeout [seconds]:** Indicates the time during which the peripheral may wait to receive data on the network (this depends on the characteristics of the network, in particular speed).
- **Primary and secondary WINS Server:** Indicate the characteristics of any WINS type servers present in the network for management of peripherals.
- **MDNS:** Multicast Domain Name Server. Is used with local and ADHOC networks that do not use central DNS servers. To execute service names with this method, an alternative DNS called mDNS is used. Using the mDNS, the computer identifies and uses any printer connected to the LAN. It can also work with any other peripheral enabled for Ethernet displayed on the network; in this case, declare the name of the service and the name of the domain.
note: The MDNS method is particularly useful for connection in a Macintosh environment. Refer to the OS X 10.2 or higher system for further information.

USING THE WEB SERVER (WIRELESS MODEL)

Permits simple, trouble-free management of the printer (set as network peripheral). This function is available only if the Wireless connection (Wi-Fi mode) has been activated from the Toolbox program. Using the internet (WEB) browser, it is possible to check status, to configure network parameters or access printer functions.

When using the printer network mode, care must be taken when entering network keys in order to use it correctly.

The settable network keys are of the WEP type (Wired Equivalent Privacy) or WPA. WPA stands for Wi-Fi Protected Access. This method provides interoperable protection based on standards to promote a considerable increase the level of data protection and access control for a wireless LAN. To improve data encryption, WPA uses TKIP (Temporal Key Integrity Protocol). For stricter user authentication, WPA implements EAP/PSK (Extensible Authentication Protocol).

note: WPA supports two basic solutions: Enterprise and Home/ SOHO. In the Enterprise environment with IT resources, the WPA access is used together with an authentication server for management and control of a centralized access. In a Home/SOHO environment, WPA is executed in a special home mode called PSK (Pre-Shared Key) which uses manually-entered passwords or keys for protection. PSK is designed for simple installation by the user at home or in a small office.

note: Toolbox software with Wi-Fi settings is compatible with the Windows 2000/XP, Macintosh OS X 10.2 version or higher environment.

Accessing the Web Server Mode

Follow the procedure described below to access the Web Server mode:

- 1 From the system browser, enter the IP address of the printer in the address field of the browser (if this has been set manually) or from the menu **Start > Programs > Any_way Wi-Fi > Configuration**.
note: In the Macintosh OS X 10.2 or higher environment, it can be run from **Toolbox > Settings > Settings Wi-Fi**.

The **Login Page** of "Web Server" mode is displayed.

In the navigation menu of the **Login Page**, Enter the **Password**.

- 2 The Web page of the printer can be used to:
 - Check printer status
 - Display network statistics
 - Set network configuration
 - Scan pages on the network.

- 3 Click on **Apply** to confirm the settings.

note: The default password is "**admin123**".

note: Modifying the wireless network settings of the Web Server, the connection may be lost. If the connection is lost, it may be necessary to use new settings for reconnection. If the Server Web loses the network connection, it may be necessary to restore the pre-defined values and reinstall the software.

note: It is not possible to disable TCP/IP (Transmission Control Protocol/ Internet Protocol).

This protocol is necessary for communication in "Web Server" mode.

Entering WEP keys

To enter WEP keys in the Web Server mode proceed as follows:

- 1 Click on the **Networking/Wireless** tab.
- 2 Go to the Encryption section where you can add the Static coding parameters (WEP).
- 3 Select Activated.
- 4 Enter the WEP keys used by the network. Select whether the keys entered are Alphanumeric or Hexadecimal. Select the key to be used for encryption of the data transmitted.
- 5 Click on **Apply** to save the keys in the printer.
note: If you have forgotten the WEP keys, display these via the access point. If the access point does not display the keys, reconfigure the network and assign new keys.

Entering WPA Coding Data

The WPA (Wi-Fi Protected Access) function affords interoperable protection based on standards in order to promote a considerable increase the level of data protection and access control for a wireless LAN. To increase data encryption, WPA uses TKIP (Temporal Key Integrity Protocol). For stricter user authentication, WPA implements EAP (Extensible Authentication Protocol). If WPA is used on the network, PSK (Pre-Shared Key) authentication is used.

In the Web Server mode proceed as follows:

- 1 Click on the **Networking** tab.
- 2 In the network Settings page, select the Wireless tab.
- 3 Go to the Authentication section and click on Advanced configuration. The wireless communication mode page is displayed.
- 4 Select Infrastructure and click on **Next**. A page with the name of the wireless network is displayed.
- 5 Select a network name (SSID) from the list of networks identified or enter the name of a new wireless network. Click on **Next**. The Wireless authentication page is displayed.
- 6 Select EAP/PSK. Enter a password Phrase (with a length of between 8 and 63 characters including spaces) that will be used by the software to generate a pre-shared key.
note: All network peripherals must use the same phrase as password.
- 7 Carry out the instructions displayed in order to configure the printer for the type of authentication and coding selected. On completion, click on **Next**. The Configuration preview page is displayed.
- 8 Check that the information is correct, click on **Apply** to save the keys in the printer.

BLUETOOTH SYSTEM SETTINGS (WIRELESS MODEL)

An active Bluetooth cellphone is required to use the Bluetooth connection.

Turn on the computer and insert the "Installation" CD-ROM into the drive:

- 1 Click **Next >** on the screen displayed and follow the instructions.
- 2 Carry out installation in USB mode. Connect the USB cable (non provided) to the printer and to the personal computer only when requested.
- 3 On completing USB installation, open the **Toolbox** program (**Start > Olivetti > Toolbox**).
note: For the Mac OS X 10.2 version or higher, open the **Toolbox** program. It can be run from the system finder in the list of available programs.
- 4 Click on the "**Settings**" button to access configuration of the Bluetooth parameters.
Activate Bluetooth mode and press "**Send Settings**" to the printer: wait for automatic reception of the new settings (this may take several minutes).
The printer is now able to work in a Bluetooth environment.
note: If the printer has been set previously for Wi-Fi and this mode is no longer to be used (or Bluetooth mode is to be used instead), run the **Toolbox** program and in the **Wireless Settings** de-activate "Wireless" and press "**Send Settings**".
On completion, once again from **Toolbox program > Settings > Bluetooth**, activate Bluetooth mode and press "**Send Settings**" to the printer".
Bluetooth and Wi-Fi mode cannot be activated at the same time.



Enable Bluetooth

Password 0 0 0 0

Send setting

Bluetooth status

The bluetooth is on.

Described below are the Bluetooth device setting fields:

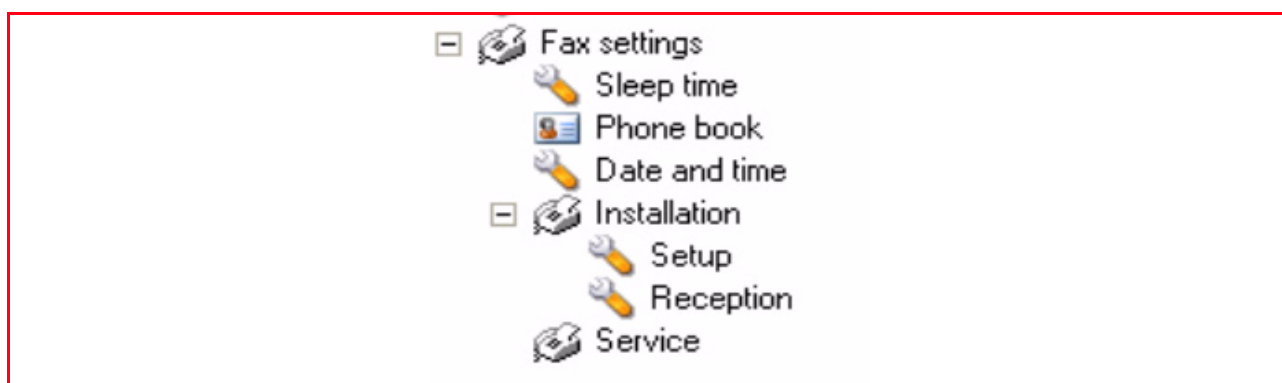
- **Enable Bluetooth:** To enable or disable Bluetooth capability.
- **Password:** Enter a protection password for the Bluetooth connection.
The default password is 0000 so as to permit direct printing of any .jpg file transmitted by a Bluetooth device (cellphone, personal computer, etc.) positioned in a radius of 10 meters from the printer.
- **Sends Setting:** To save the data in the printer.

FAX SETTINGS FROM THE TOOLBOX PROGRAM (FAX MODEL)

All the main fax mode functions can be controlled from the "**Toolbox**" program.
From the main screen page of the program, select the "**Settings**" item.
All printer settings and those specific to the fax environment are shown on the screen.

Possible settings:

- Print fax Reports
- Fax Agenda
- Pause time
- Date and time settings
- Fax installation, setting and reception
- Assistance



Print fax Reports

Available settings:

- Print last transmission report
 - Print the list of calls
 - Print fax activities.
- Press the "**Print**" button to print the report selected.

Pause time

To set the time after which the printer switches to stand-by mode.

Agenda of the fax

To insert a name in the Agenda, select the "**Agenda**" item.

- 1 Select the position of the Agenda in which to insert the name.
note: Up to 10 names can be inserted.
- 2 Enter the characteristics of the name to be inserted:
 - Number of positions from 0 to 9
 - Transmission speed
 - Telephone number
 - Name.
- 3 At the end, confirm by clicking on the "**Apply**" button.
- 4 To save the name entered in the memory of the printer, click on the "**Send Settings**" button.
- 5 To check the data entered, it is possible to print the name, selecting this from 0 to 9 and printing this by clicking on the "**Print**" button.
note: To remove a name, select the position required from 0 to 9 and then click on the "**Cancel**" button.

Date and time settings

To enter the current date and the time:

- 1 The date and time are retrieved by the system.
- 2 Click on the **"Send Settings"** button to send and save the information on the printer.

note: It is possible to enter the date and time in several formats:
format of the date: DD/MM/YYYY, MM/DD/YYYY, YYYY/MM/DD.
format of the time: 24H, 12H.

Fax installation, setting and reception

This is divided into several environments:

- Installation
- Configuration
- Reception.

The information regarding installation includes:

- **Name:** Insert the name of the sender.
- **Number:** Insert the fax number of the sender.
- **Language:** To set the language to be used in the interface of the commands.
- **Available languages:** Danish, Dutch, English, French, German, Italian, Portuguese, Spanish, Swedish.
- **Printer settings:** Set the paper format paper present in the printer selecting this from those available: A4, Letter, Legal, 70%, 76%, 80%, 94% reduction, no reduction.
- **Reduction:** To set fax reception reduced by between 70% and 94%, printing exceeding the page format, printing that does not exceed page format, printing with automatic page format management.
- **Black in three colors:** To enable printing of black in three colors using the 3-color cartridge.
- **Format of the time and of the date.**
Format of the date: DD/MM/YYYY, MM/DD/YYYY, YYYY/MM/DD.
Format of the time: 24H, 12H.

Information regarding configuration includes:

- **Settings of the telephone line.**
Type of telephone line: Public or PBX, of the pulse or tone type.
Type of call: Caller ID, remote, PBX flash type or with line monitor.
note: A remote call code can be entered.
- **Various settings.**
Fax header: To set reception of the information forming the header of the original to be transmitted (name, fax number, date and time and number of pages) in the area outside the text and therefore just below the upper edge or in the area inside the text, slightly lower than in the previous case.
Type of error correction: To enable ECM type correction.
Print transmission report: Can be set to No, always or in case of error.
Transmission speed: Can be set to 33600/14400/9600.
Volume of the buzzer and loudspeaker: To set volume between level 0 and level 8.

Fax reception information includes:

- **Volume of the buzzer:** To set volume from 0 to 8.
Number of rings: Can be set between 1 and 8.
Different sound: To set a different type of sound for telephone and fax.
Fax activation time: To set the time within which the printer automatically activates fax mode on the call received. Can be set between 15 and maximum 40 seconds.

Assistance information includes:

A list of information about the printer reserved for the assistance technician.
This list contains data regarding printer hardware and software adjustments.

HOW TO SEND A FAX USING THE COMPUTER (FAX MODEL)

A fax message can be sent from the "**Toolbox**" program. This operation can also be carried out in stand-alone mode without using the computer, using the fax control panel; for further information, see the "Use of the printer without a computer" section.

A fax message can be sent from the computer in two ways:

- Transmission of a fax by the "**Toolbox**" program.
- Transmission of a fax from a **File** created with a Windows program.

Sending a fax message from the "**Toolbox**" program

- 1 From the home page of the program, select the "**Acquire in a fax**" item.
Lift the cover of the exposure bed and place the document or the photo on the exposure bed with the side to be scanned facing down. Make sure that the top left corner of the document or photo is aligned with the top left corner of the bed.
For further information, see "Placing the original on the exposure bed".
- 2 The user interface of the scanning driver, with a low resolution preview of the image scanned, is shown on the monitor of the PC. The format and the number of pixels of the preview are indicated below the image.
If necessary, modify the preview until you have obtained the final image required. Delimit the area of the preview that is to be scanned using the specific commands and then use the instruments displayed to the right of the display box to invert the image so that it is specular, to rotate it in a clockwise or anti-clockwise direction and to enlarge or reduce it.
- 3 Click on the **Standard** sheet and personalize scanning settings:
 - **Type:** Select the type of document to be scanned clicking on the matching button: Text (only black text or graphics), Mixed (combination of black text or color graphics or photo) or Photo (only color photo).
 - **Colors:** Select the color scale of the document or photo to be scanned clicking on the matching button: Colors (full color scan 600 dpi), Gray (for scanning shades 300 dpi) or B/W (B/W scan 150 dpi).
- 4 Click on the **Personalize** sheet to personalize scanning settings:
 - **Resolution:** From the drop-down menu, select scanning resolution from the following: 200 dpi.
note: To send a document in fax mode, it is not necessary to use high resolution.
 - **Color intensity:** From the drop-down menu, select the number of separate colors that can be represented in number of bits. The following values are available: 1-bit, 8-bit or 24-bit (B/W, shades of gray, colors).
 - Adjust **Brightness** and **Contrast** of the document or photo to be scanned. Move the brightness cursor to the right to brighten the image or to the left to darken it. Move the contrast cursor to the right to increase contrast and to the left to reduce it. In both cases, the central position corresponds to an average setting.
 - Select the **Descreen** (remove background) selection box to activate a filter that regularizes the background of the image, for example when scanning pages of a newspaper.
- 5 Click on the **Acquire** button for final scanning of the document or photo.
- 6 After scanning, a dialogue box is opened that asks whether you want to **scan other pages** or to end the process.
- 7 After scanning the document (or pages of the document to be sent), the screen shows:
 - The fax transmission settings, if the ANY_WAY Fax printer has been set in the default parameters of the Toolbox program.
 - the possibility of selecting the Fax device to which to send the document scanned.
- 8 Click on the "**OK**" button and open the dialogue box with the settings of the fax.

- 9 Compile the dialogue box regarding fax transmission mode.
The information required for transmission includes the data of the recipient:
- Name and surname.
 - Company.
 - Fax number.
 - Title.
- The Windows standard address-book can be used to file, recall and modify the recipient's data.
note: If the name of a recipient has been inserted previously in the Agenda, it can be recalled simply by clicking on the addresses button of the Address-book.
- Other options include:
- Use a cover page and send a message to the recipient.
 - Print the document faxed.
- note:** Pressing the default button (predefined settings), the initial conditions provided by the application program are restored.
- 10 Open the "**Quality**" dialogue box.
- Set the quality of the Fax choosing from:
 - photo, normal, fine quality for B/W mode.
 - photo and fine quality for color mode.
 - Set the level of contrast using the sliding cursor.
- 11 Send the Fax with the settings entered.
The document is sent to the recipient.

Send fax from File

- 1 Open the file saved on the computer with the associated application program.
- 2 From the application program, open the print menu and select the "**Olivetti ANY_WAY fax**" printer.
- 3 Click on the "**OK**" button and open the dialogue box with the settings of the fax.
- 4 Compile the dialogue box regarding fax transmission mode.
The information required for transmission includes the data of the recipient:
- Name and surname.
 - Company.
 - Fax number.
 - Title.
- The Windows standard address-book can be used to file, recall and modify the recipient's data.
note: If the name of a recipient has been inserted previously in the Agenda, it can be recalled simply by clicking on the Address-book.
- Other available options include:
- Use a cover page and send a message to the recipient.
 - Print the document faxed.
- note:** Pressing the default button (predefined settings), the initial conditions provided by the application program are restored.
- 5 Open the "**Quality**" dialogue box.
- Set the quality of the Fax choosing from:
 - photo, normal, fine quality for B/W mode.
 - photo and fine quality for color mode.
 - Set the level of contrast using the sliding cursor.
- 6 Send the Fax with the settings entered.
The document is sent to the recipient.

4 INK CARTRIDGES

CHECKING INK LEVELS

REPLACING THE INK CARTRIDGES

ALIGNING THE INK CARTRIDGES

EXCHANGING BLACK AND PHOTO INK CARTRIDGES USING THE GARAGE

CHECKING INK LEVELS

To know when an ink cartridge is running out of ink and needs replacing, check the ink levels of the cartridges in the following ways:

- 1 By viewing the ink level indicators on the Ink Levels tab of your print driver's Preferences or Properties dialogue box, as follows:
 - a With the document file open in the application that you are using, click **File > Print**. The Print dialogue box is displayed.
 - b Click **Preferences** or **Properties**, depending on your operating system. The printer driver user interface screen is displayed.
 - c Click the **Ink Levels** tab. The two ink capacity indicators show the percentage of ink left in the cartridges.
- 2 By viewing the ink level indicators on the bottom of the scanner driver screens that are displayed when scanning a document or photo. As for the Ink Levels tab, the indicators show the percentage of ink left in the cartridges.
- 3 From the Toolbox, by viewing the ink level indicators on the bottom of the Toolbox's main screen or in the New ink cartridges dialogue box:
 - a Right click your mouse button on the Olivetti icon on the Windows task bar, or click **Start > Programs** or **All Programs > Olivetti > Olivetti Toolbox**. The Toolbox is displayed.
 - b Click **Solutions and Assistance**.
 - c Click **Select** to choose New ink cartridges. The New ink cartridges dialogue box displayed includes ink level indicators showing the amount of ink still present in the cartridges.
- 4 From pop-ups displayed by the Printer Status Monitor during a print or copy job, that show the amount of ink remaining. See "The Printer Status Monitor" for more information.
- 5 From the Start menu:
 - a Click **Start > Programs** or **All programs > Olivetti > ANY_WAY New ink cartridges**. The Status Monitor is displayed.
- 6 Directly on the printer front panel:
 - a When the black ink and/or colour ink indicators begin to flash, the ink level in the cartridge is **getting low**; when the indicators are on steadily, the printer is in **ink almost** out condition and replacement of the cartridge is recommended.

Information required to purchase new ink cartridges

To guarantee correct functioning of the printer and high print quality, it is essential to use only original Olivetti cartridges.

Use the following codes to purchase the cartridges:

- Black ink cartridge, code **IN501**
- Three-color ink cartridge, code **IN503**
- Photographic ink cartridge, code **IN505**
- High capacity black ink cartridge, code **IN502**
- High capacity three-color ink cartridge, code **IN504**
- High capacity photographic ink cartridge, code **IN506**.

CAUTION: The cartridges can be used once only.

REPLACING THE INK CARTRIDGES

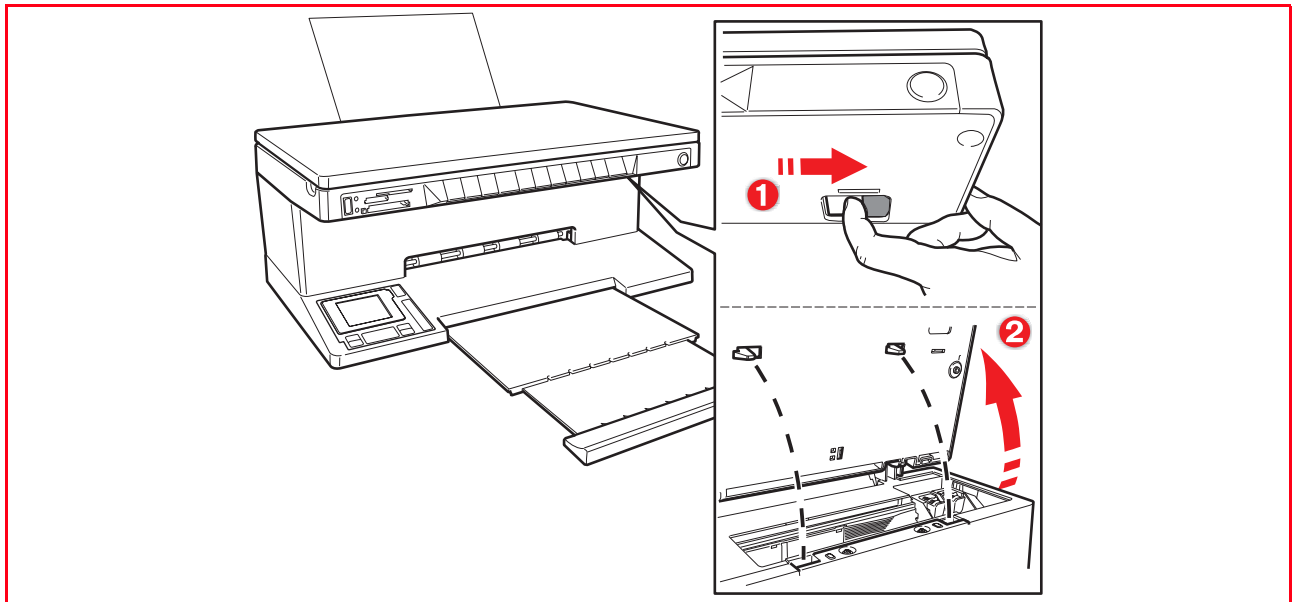
Before proceeding with the procedures indicated in this section, carefully read and follow the information provided in "Safety Instructions" at the beginning of this manual.

For information on how to purchase new ink cartridges from the manufacturer, consult the Toolbox's Solutions and Assistance feature. To access the Toolbox, see "The Toolbox". To guarantee the correct operation of your printer and top quality printing, it is essential to use only the manufacturer's original ink cartridges.

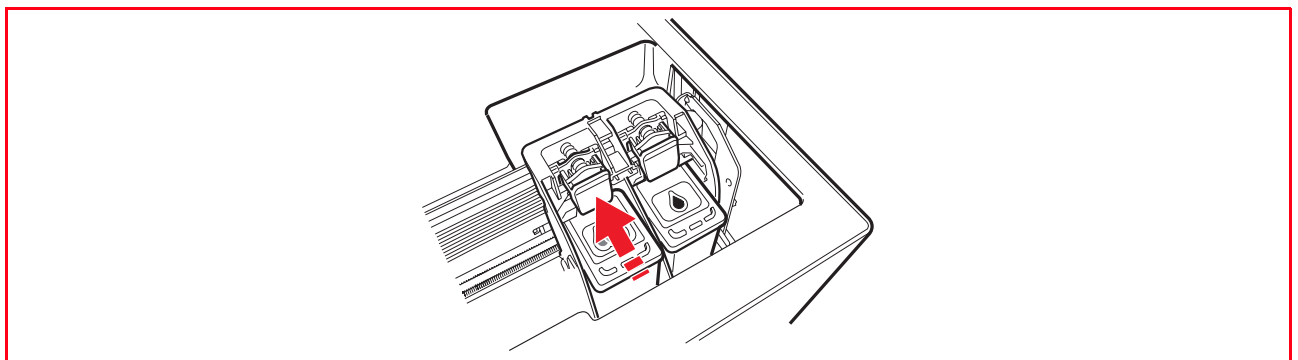
note: Use a black and a colour cartridge for normal printing. For printing photographs, use a photo cartridge and a colour cartridge. The printing time will be longer, but the final quality is the best that you will achieve with your printer.

- 1 Turn on the printer.
- 2 Make sure that plain A4 sized paper is loaded. See "Loading Paper".
- 3 Slide the scanner unit's release tab outwards and lift the scanner unit until it is supported in its open position. The release tab is located underneath the scanner unit.

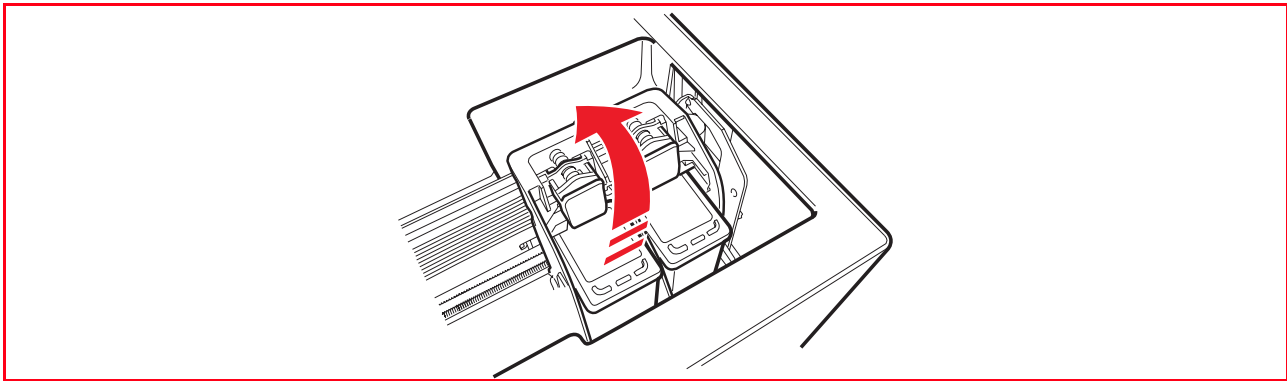
CAUTION: The ink cartridge carrier moves to its loading position at the far right-hand side of the carriage.



- 4 Press inward the clip that secures the ink cartridge that you want to replace.

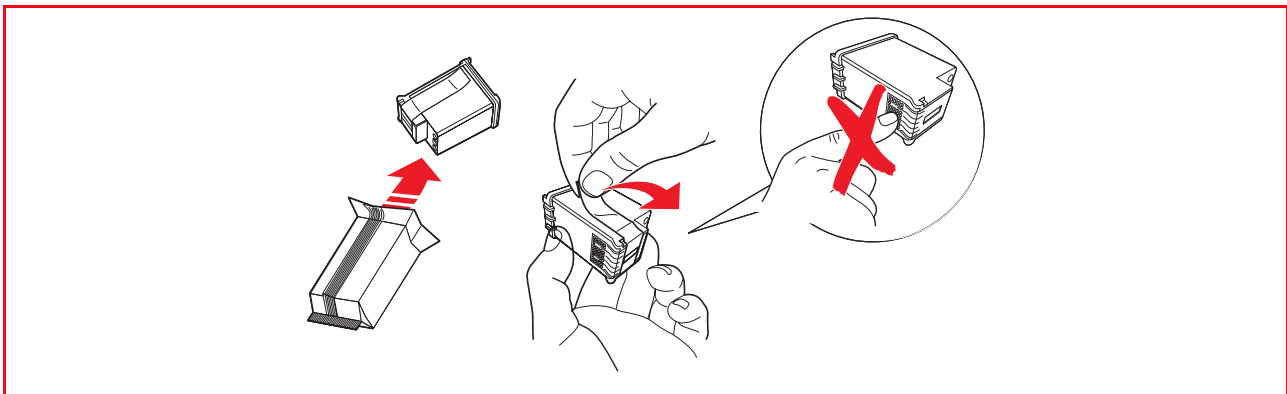


- 5 Remove the ink cartridge.

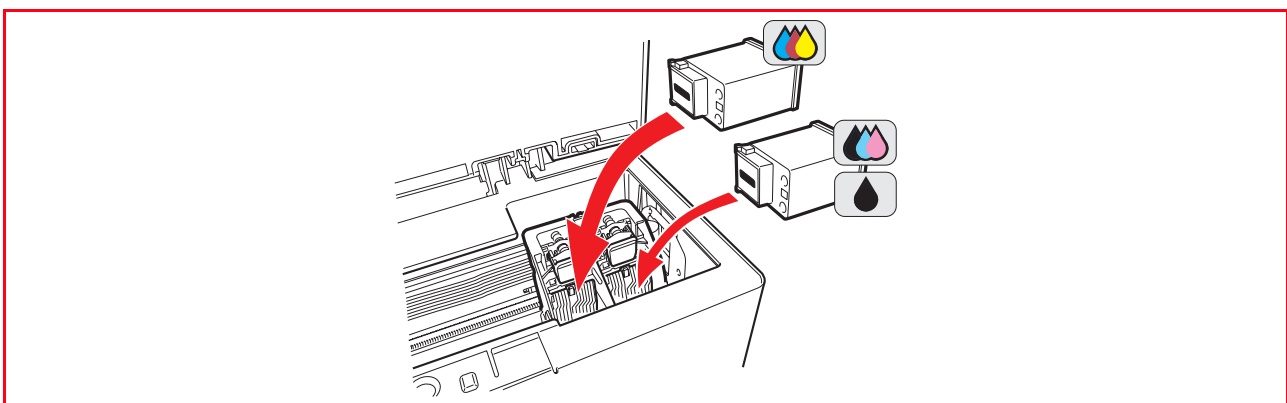


note: At this stage you can replace the black or photo cartridge installed in the right carrier with the cartridge stored in the garage. See "Exchanging Black and Photo Ink Cartridges".

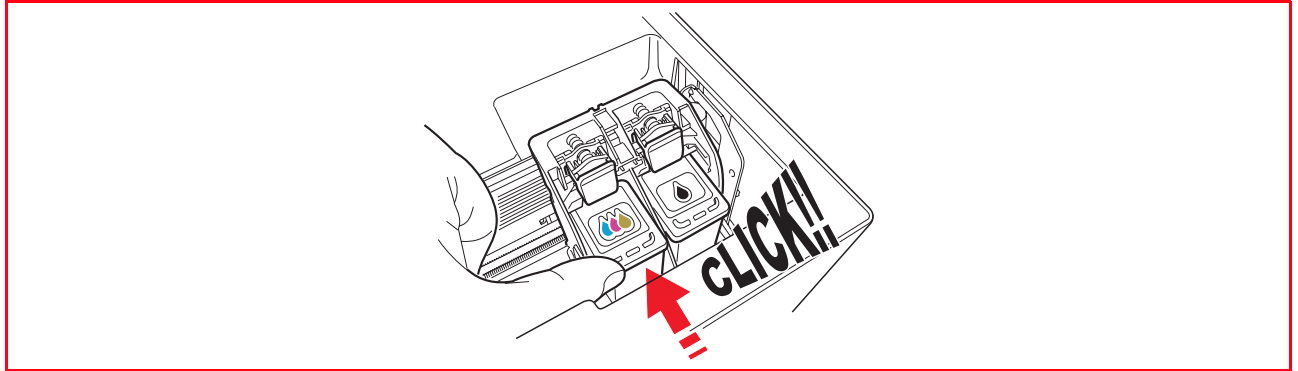
- 6 If you are installing a new ink cartridge, remove the cartridge from its box and then gently remove the protection tape that covers the ink nozzles. DO NOT TOUCH THE CONTACTS or the ink nozzles. Hold the ink cartridge by its sides.



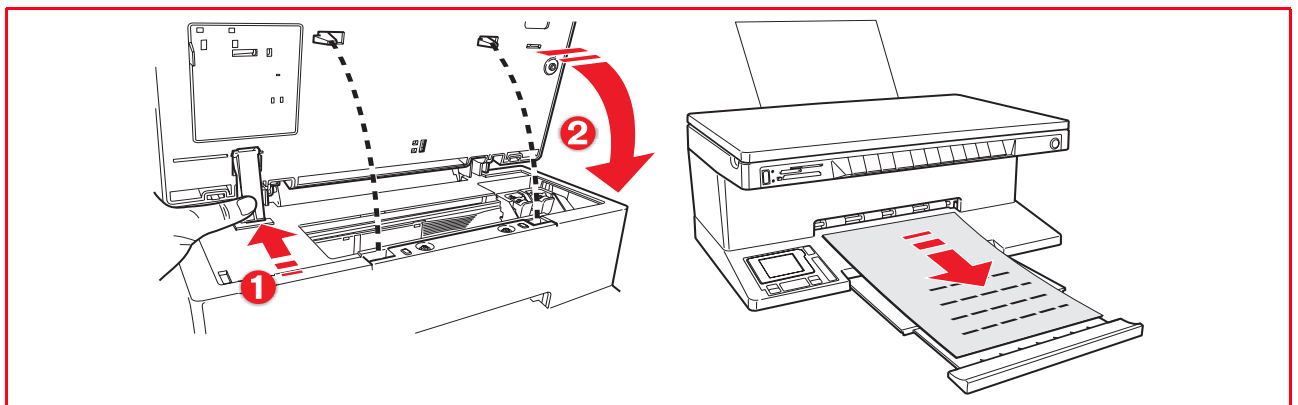
- 7 Hold the ink cartridge with its nozzles facing downward and contacts facing the rear of the printer, and insert the colour cartridge in the left carrier and the black or photo cartridge in the right carrier.



- 8 Push the ink cartridge firmly inward until it is locked by the securing clip.



- 9 Grasp the scanner unit, press its securing support and lift it slightly, then lower it until it is completely closed.



- 10 If a new cartridge is installed, the printer will automatically perform a cartridge recognition procedure. An ink cartridge alignment page will then be printed to indicate that the newly installed ink cartridge was automatically aligned. For information see "Aligning the Ink Cartridges".

The ink cartridges are automatically aligned by the printer whenever a new ink cartridge is installed. However, you need to manually align the ink cartridges when the edges of the printed characters are still not clear, or when the lines still appear wavy, even after cleaning the ink cartridge nozzles. See "Aligning the Ink Cartridges From the Toolbox".

Ink Cartridge Alignment Page

The ink cartridge alignment page contains a series of line patterns to show that the printer has automatically aligned the newly installed ink cartridge. It is printed:

- automatically, once the scanner unit is closed after installing new ink cartridges.
- directly from the **Toolbox** installed on your personal computer, when you select the "**Print the alignment page**" option from the Toolbox Maintenance screen.

Aligning the Ink Cartridges From the Toolbox

When the edges of the printed characters are still not clear, or when the lines still appear wavy, even after cleaning the ink cartridge nozzles:

- 1 Right click your mouse button on the Windows task bar, or click **Start > Programs** or **All Programs > Olivetti > Olivetti Toolbox**. The Toolbox is displayed.
note: In the Mac OS X environment, the **Toolbox** program is available clicking on the icon present on the desktop or selecting it from the list of programs installed. The Toolbox window will be displayed.
- 2 Click **Solutions and Assistance** and then Select the "Print the alignment page" option.
- 3 Click the **Print** button.
- 4 When the alignment page is printed, the ink cartridges have been aligned. Click **Close** to return to the Toolbox main screen.

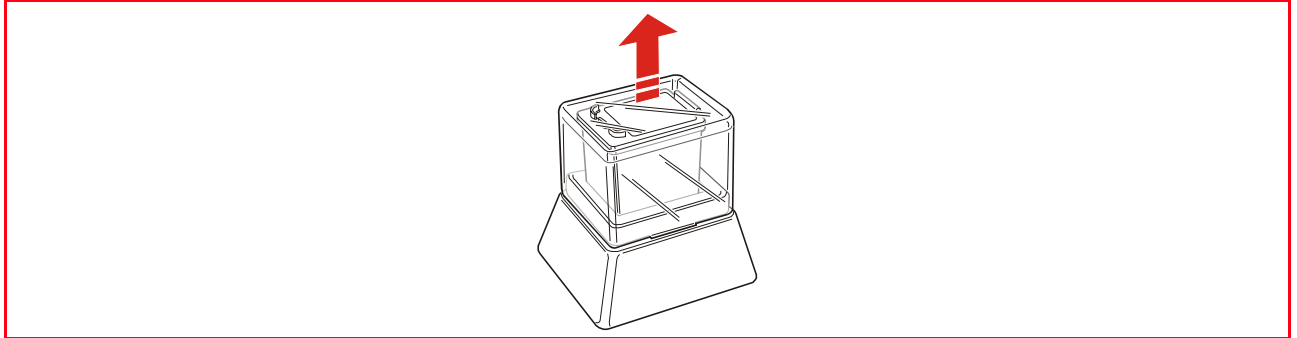
EXCHANGING BLACK AND PHOTO INK CARTRIDGES USING THE GARAGE

Your printer comes with an ink cartridge garage that holds the unused black or photo ink cartridge. Use the photo ink cartridge together with the colour ink cartridge to obtain best results when printing photographs. Use the black and colour cartridge to print normal black and white or colour documents.

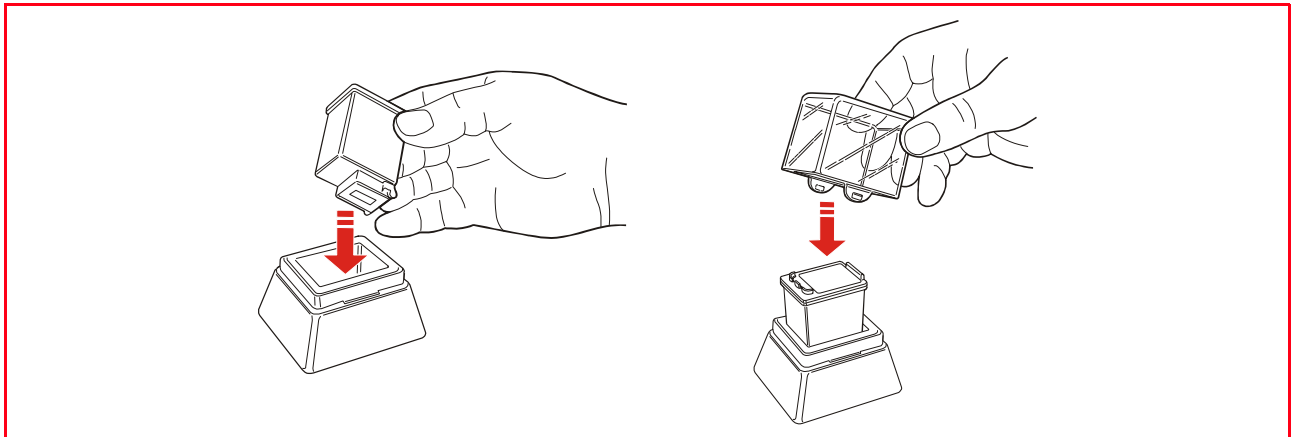
note: When using the black cartridge, store the photo ink cartridge in the garage, and vice versa.

To exchange the photo and black ink cartridges to best suit your printing requirements:

- 1 Open the lid of the garage and extract the ink cartridge.



- 2 Remove the ink cartridge being used from its right carrier and then insert the cartridge that you now want to use. See "Replacing the Ink Cartridges".
- 3 Place the ink cartridge just removed from the printer into the garage, with its contacts facing downward.
- 4 Place the lid back on the garage and gently press it downward until it is securely closed.



5 MAINTENANCE AND TROUBLESHOOTING

CLEANING YOUR PRINTER

CLEANING THE INK CARTRIDGE NOZZLES

TROUBLESHOOTING

FAX MESSAGES

ERROR CODES PRINTED WITH THE FAX REPORT

CLEARING PAPER JAMS

CLEANING YOUR PRINTER

CAUTION: Do not clean the inside of your printer and do not use stain removers, acetone-based products, liquid or aerosol cleaners. Doing so could damage your printer case and scanner glass.

Cleaning the Printer Casing, the Inner Side of the Scanner Cover and the Scanner Glass

- 1 Clean the printer casing by using a soft dry cloth or moistened in warm water to wipe dust, dirt or smears off the outer case of your printer only.
- 2 Gently clean the white inner side of the top cover with a soft dry cloth or moistened in warm water.
- 3 Clean the scanner glass with a soft cloth moistened with water or with a glass cleaning solution.

CLEANING THE INK CARTRIDGE NOZZLES

Clean the ink cartridge nozzles when:

- White or colour lines appear in your printouts.
- Colours fade, or do not print in parts or completely.
- The vertical lines of your printout are jagged.

To clean the ink cartridge nozzles:

- 1 Make sure A4 size paper is loaded in the printer. See "Loading Paper".
- 2 Right click your mouse button on the Windows task bar, or click **Start > Programs** or **All Programs > Olivetti > Olivetti Toolbox**. The Toolbox is displayed.
note: In the Mac OS X environment, the **Toolbox** program is available clicking on the icon present on the desktop or selecting it from the list of programs installed. The Toolbox window will be displayed.
- 3 Click **Solutions and Assistance**.
- 4 Select the "Clean and Test Nozzles" option.
- 5 Click the **Print** button. The printer automatically cleans the nozzles and prints a test page.
- 6 Check the quality of the printed output with the example displayed on the computer monitor. If you are not satisfied with the quality of the printed output, click the Clean again button to repeat the nozzle cleaning procedure.
- 7 When finished, click the **Close** button to return to the Toolbox main user interface screen.

TROUBLESHOOTING

Problems During Printer Setup

Before reading this section:

- 1 Make sure **the printer is properly connected to a working grounded electrical outlet** compliant with your printer's power requirements (100 - 240 Vac, 50 - 60 Hz) and that it is turned on.
- 2 If you are using your printer with a personal computer, make sure that you have turned on both your printer and computer.
- 3 Make sure the computer's operating system is Windows 98 SE, ME, 2000 or XP, or MAC OS X 10.2 or later.

Problem	Possible Cause	Corrective Action
Your printer does not turn on.	<ul style="list-style-type: none">• The printer's power cord is not properly connected to the printer and/or to the power outlet.• The power outlet may not be working.	<ol style="list-style-type: none">1 Make sure that both ends of the power cable are properly connected.2 Make sure that the grounded power outlet is working.
You insert the "Installation" CD-ROM into your computer CD drive and the installation program does not start automatically.	<ul style="list-style-type: none">• An operating system incompatible with the CD-ROM software may be running on the personal computer.• The auto-run feature is disabled.• Your personal computer cannot find setup.exe on the CD-ROM.	<ul style="list-style-type: none">• In the Windows environment:<ol style="list-style-type: none">1 Make sure the personal computer is running Windows 98 SE, ME, 2000 or XP, or MAC OS X 10.2 or later.1 Remove and replace the "Installation" CD-ROM in the CD drive with the written label upwards.2 Select Start > Run and then click Browse.3 Find the CD-ROM drive identifier and click Open.4 Select Setup and click Open. The file setup.exe is displayed in the dialogue box.5 Click OK and then follow the instructions displayed• In the Macintosh environment:<ol style="list-style-type: none">1 Switch on the computer and insert the "Installation" CD-ROM (c) in the drive.2 Double click on the icon of the CD-ROM displayed to start installation of the software and follow the instructions provided on the screen.

Problem	Possible Cause	Corrective Action
<p>Your printer's name is not available when you select File > Print from an application. The printer is not shown in the Printer folder on the Control Panel.</p>	<ul style="list-style-type: none"> The printer driver was not installed correctly. 	<ol style="list-style-type: none"> 1 Close all applications currently open. 2 Reinstall the printer software as instructed by the Setup Diagram or as indicated in the step above.
<p>When connecting the printer to the computer with the USB cable, the Plug and Play wizard did not terminate.</p>	<ul style="list-style-type: none"> The computer did not find the printer driver. 	<ol style="list-style-type: none"> 1 Remove the "Installation" CD-ROM from the drive and re-boot the computer. 2 Place the "Installation" CD-ROM in the drive with the written label facing upwards. 3 Reinstall the printer software as instructed in the Setup Diagram or as indicated in the step above.
<p>When connecting your printer to the computer with the USB cable, the New Hardware Wizard is not displayed on the computer's monitor.</p>	<ul style="list-style-type: none"> The computer is running an incompatible operating system. The USB cable may not be properly connected between the printer and computer. 	<ol style="list-style-type: none"> 1 Make sure the computer is running Windows 98 SE, ME, 2000 or XP, or MAC OS X 10.2 or later. 1 Turn off your printer and computer, then unplug the USB cable from these two devices. 2 Reattach the USB cable to the two devices by following the instructions in the Setup Diagram. Turn on the printer first followed by the computer.

Problem	Possible Cause	Corrective Action
	<ul style="list-style-type: none"> The computer may not be enabled for USB operation. 	<ul style="list-style-type: none"> In the Windows environment: <ol style="list-style-type: none"> Click Start > Settings > Control Panel. Double click on the System icon. Click on the Device Manager or Hardware tab, then click on the Device Manager button. Click the Plus (+) sign next to the USB (Universal Serial Bus) Controller option. <ul style="list-style-type: none"> If USB host controller and USB root hub are present, the USB is enabled. If they are not present, read your computer manual for information on how to enable a USB connection. In the Macintosh environment: <ul style="list-style-type: none"> From the control panel, check the characteristics of the system and the presence of an active and functioning USB connection. Re-install the USB drivers for Macintosh consulting the system manufacturer's documentation provided.

Problems When Powering On the Printer

Problem	Possible Cause	Corrective Action
The printer does not turn on when you press the Power ON/OFF button on the front panel.	<ul style="list-style-type: none"> The power cord is not properly attached to the printer and/or to a working electrical outlet. 	<ul style="list-style-type: none"> Unplug the power cord from the printer and from the electrical outlet and then plug it back. Make sure that the electrical outlet is working by attaching another appliance that you know works into it and then turn on the appliance.
Individual LEDs on the front panel come on.	<ul style="list-style-type: none"> Specific printer error as signalled by the LED. 	<ul style="list-style-type: none"> Check the corrective action for the corresponding LED that is explained in "Meaning of the LED Indicators on the Front Panel".

Printing Problems

Problem	Possible Cause	Corrective Action
Your printer does not print when you click on the Print icon on the task bar of the application you are using.	<ul style="list-style-type: none"> Your printer is not set as the default printer. 	<ul style="list-style-type: none"> In the Windows environment: <ol style="list-style-type: none"> Click Start > Settings > Printers and Fax. Right-click on your printer's icon and select Set as Default. In the Macintosh environment: <ol style="list-style-type: none"> Re-install the software furnished with the printer and check the print and spooler settings of the Mac OS X. Operating system.
	<ul style="list-style-type: none"> Your printer is not properly connected to the computer. 	<ol style="list-style-type: none"> Turn off your printer and computer, and then unplug the USB cable from these two devices. Reattach the USB cable, then turn on the printer first followed by your computer.
The printing stops in the middle of a print job.	<ul style="list-style-type: none"> The paper is jammed. 	<ol style="list-style-type: none"> Clear the paper jam. See "Clearing Paper Jams". Press the Cancel button to reset the error condition. The print job continues from the next page.
Horizontal streaks are printed.	<ul style="list-style-type: none"> The ink cartridges are dirty. 	<ul style="list-style-type: none"> Clean the ink cartridges. See "Cleaning the Ink Cartridge Nozzles".

Problem	Possible Cause	Corrective Action
The printed characters are not properly defined.	<ul style="list-style-type: none"> The ink cartridges are no longer aligned. 	<ul style="list-style-type: none"> Align the ink cartridges from your computer. See "Aligning the Ink Cartridges From the Toolbox".

Copying/Scanning Problems

Problem	Possible Cause	Corrective Action
The printer or scanner makes unusual noises during operation.		<ul style="list-style-type: none"> Turn off the printer and then turn it back on again by pressing the ON/OFF button.
Horizontal streaks are printed.	<ul style="list-style-type: none"> The ink cartridges are dirty. 	<ul style="list-style-type: none"> Clean the ink cartridges. See "Cleaning the Ink Cartridge Nozzles".
A completely black copy is output.	<ul style="list-style-type: none"> Faulty Contact Image Sensor. 	<ul style="list-style-type: none"> Contact the field engineering service.

Meaning of the LED Indicators on the Front Panel

Problem	Possible Cause	Corrective Action
The black ink LED on the front panel is flashing.	<ul style="list-style-type: none"> The black ink cartridge is nearly out of ink. 	<ul style="list-style-type: none"> You can continue to print until this LED remains illuminated.
The black ink LED on the front panel is illuminated.	<ul style="list-style-type: none"> The black ink cartridge is out of ink. 	<ul style="list-style-type: none"> Replace the black ink cartridge. For information, see "Replacing the Ink Cartridges".
The colour/photo ink LED on the front panel is flashing.	<ul style="list-style-type: none"> The colour/photo ink cartridge is nearly out of ink. 	<ul style="list-style-type: none"> You can continue to print until this LED remains illuminated.
The colour/photo ink LED on the front panel is illuminated.	<ul style="list-style-type: none"> The colour/photo ink cartridge is out of ink. 	<ul style="list-style-type: none"> Replace the colour/photo ink cartridge. For information, see "Replacing the Ink Cartridges".
The Paper LED on the front panel is illuminated.	<ul style="list-style-type: none"> You launched a print or copy job and there is no paper loaded in the printer. The size of the paper that is loaded does not match the paper size that you selected from the Toolbox application or from the PictBridge-compliant digital camera connected to the printer. The size of the paper loaded is not the A4 size needed to print the ink cartridge alignment page after changing the ink cartridges. 	<ul style="list-style-type: none"> Load paper. For information see "Loading Paper". Load the correct paper. For information see "Loading Paper". Load the correct paper. For information see "Loading Paper".

Problem	Possible Cause	Corrective Action
	<ul style="list-style-type: none"> A paper jam has occurred. 	<ul style="list-style-type: none"> Clear the paper jam. For information see "Clearing Paper Jams".
The PictBridge USB LED on the front panel is flashing.	<ul style="list-style-type: none"> Your printer is receiving data from the digital camera connected. 	<ul style="list-style-type: none"> This is indication that the data is being transferred correctly. No action is required.
The USB LED on the front panel does not come on even though a USB device is connected to the printer.	<ul style="list-style-type: none"> The USB device connected to the USB connector on the front panel is not recognised by the printer. 	<ul style="list-style-type: none"> Connect a USB device that complies with the printer's requirements for the connection of USB devices.

FAX MESSAGES

The display of the control panel of the fax, which usually shows the date and time, informs the user of the status of the current activity of the fax. The messages displayed do not prevent normal operation of the printer and can remain on the display until the next time the fax module is used. To clear the message displayed, press the Stop ("C") key on the control panel of the fax.

Messages during transmission

Message	Description
TX INTERRUPTED	<ul style="list-style-type: none"> The user has interrupted the current transmission pressing the STOP button.
TX NOT POSSIBLE	<ul style="list-style-type: none"> The scanner is already occupied in other operations, for example from the computer. Wait for completion of the operation in course on the scanner to acquire a new document to be faxed.
TX MEMORY FULL	<ul style="list-style-type: none"> The memory available on the fax is full because too many documents have been acquired by the scanner; no more documents can be saved. Fax the documents in the memory or cancel these.
TX ERROR	<ul style="list-style-type: none"> Is displayed at the end of a fax transmission that failed. Try to fax another document.

Error messages during reception

Message	Description
RX INTERRUPTED	<ul style="list-style-type: none"> The user has interrupted reception in course pressing the STOP button.
RX ERROR	<ul style="list-style-type: none"> Is displayed at the end of a fax reception that has failed. Try to receive a new document via fax.
MEMORY FULL	<ul style="list-style-type: none"> The memory available on the fax is full because many documents have been received. If this type of error occurs, a generic error code is indicated in the fax report. It is advisable to print the documents received present in the memory or cancel these if not desired.

General messages

Message	Description
EMPTY	<ul style="list-style-type: none"> No data available in the memory of the fax. Is displayed for example when an attempt is made to print reports of fax message that are not present or when accessing the agenda that has no information saved in its file.
ILLEGAL SETTING	<ul style="list-style-type: none"> Error during setting of the date and time. Repeat entry of the data checking that the values are valid.
FAX NOT WORKING	<ul style="list-style-type: none"> Visual readout during diagnostics at printer power-on. Indicates a functional problem on the FAX module; when it is displayed, switch the printer off and on. If the problem persists, call technical assistance.
PRINTER ERROR	<ul style="list-style-type: none"> Generic error in the print module. A possible cause may be ink out of the cartridges installed, no paper in the tray, paper jam, etc. For further information, check the indicators on the front panel of the printer; or if connected to a computer, use the status monitor to search for any error messages.

ERROR CODES PRINTED WITH THE FAX REPORT

The error codes are printed automatically in the transmission or activity report of the fax.

Error codes in the transmission report

The error codes printed in the transmission report of the fax consist of **two digits** indicating the cause of the error and a short description to facilitate understanding.

Code	Description	Cause of the error	What to do
00	OK	No error.	No action. The fax has been sent correctly.
02	IMPOSSIBLE CONNECTION	The fax has not detected any line tone or receives irregular messages.	Check that the fax is connected correctly to the telephone line. Try to send another document.
03	RECEIVER DOES NOT ANSWER	The other party has not answered the call or is not a fax.	Check that the number of the recipient is correct.
04	ERR. WHILE TRANSMITTING RESEND FROM PAGE nn	A fault has been detected during transmission. "nn" indicates the page number in which the error has been detected.	Repeat transmission from the page indicated in the report.
06	LINE BUSY	The line is busy.	Retry when the line is free.
09	STOP PRESSED	Transmission has been interrupted.	No action.
14	ERR. WHILE TRANSMITTING	Durante la trasmissione del fax si è verificato un errore oppure il corrispondente a interrotto la ricezione del fax.	Try to resend the fax or make sure that the recipient intends to receive the fax.
15	RETRY B/W	A color document is being sent but the recipient is unable to receive it.	Rimandare il fax selezionando la modalità in bianco e nero (B/N).

Error codes in the activity report

Error codes printed in the activity report of the fax include both the transmission error codes described above and the reception error codes listed below.

The error codes consist of **two digits** and indicate the cause of the error. Due to shortage of space, only the two-digit code is indicated in the report without any description.

Code	Description	Cause of the error	What to do
09	RX INTERRUPTED	Reception has been interrupted pressing the STOP ("C") key.	No action.
10	RX ERROR	An error has occurred during reception of the fax or the sender has interrupted transmission of the fax.	Ask the other party to transmit a new fax.
11	MEMORY FULL	The memory available on the fax is full because many documents have been received.	Print the documents received present in the memory or cancel those not desired.

CLEARING PAPER JAMS

- 1 Firmly grasp the jammed paper and gently pull it out from where it jammed. If the paper tears, make sure you remove all the torn pieces from the printer.
- 2 Press the **Cancel** button on the front panel to clear the error condition.
note: If the paper jam occurred when copying or printing without a computer, the print job will continue from the next page.
If the jam occurred when using a computer, the pop-up screen displayed allows you to either continue to print from the next page or to cancel the print job.

6 TECHNICAL CHARACTERISTICS

GENERAL SPECIFICATIONS

PRINTER SPECIFICATIONS

COPIER SPECIFICATIONS

SCANNER SPECIFICATIONS

SPECIFICATIONS OF THE FAX SYSTEM

WI-FI SYSTEM SPECIFICATIONS

PAPER SPECIFICATIONS

GENERAL SPECIFICATIONS

General Specifications

Photo printing management console display	2.4" color Liquid Crystal Display for photo preview and selection
Memory capacity	<ul style="list-style-type: none">• 2 MB Read-only Memory (ROM)• 32 MB Random Access Memory (RAM)
Dimensions and weight	<ul style="list-style-type: none">• Height: 7.71 in. (19.6 cm)• Width: 18.1 in. (46.2 cm)• Depth: 13.3 in (33.9 cm)• Weight: 16.5 lbs (7.5 kg)
Power supply unit	Auto-sensing universal power supply unit
Input voltage	100 - 240 Vac, 50-60 Hz, grounded
Power consumption	Maximum 35 W
Connectivity	<ul style="list-style-type: none">• High-speed USB 2.0 on the rear panel for connection to the personal computer.• PictBridge-compliant USB 1.1 on the front panel for connection of a digital camera.
Memory card interfaces	<p>Can accept the following memory card types:</p> <ul style="list-style-type: none">• Compact Flash I, II• Microdrive• SmartMedia• SecureDigital (Mini SD adaptor sold separately)• MultiMedia card• Duo, Pro, Magic Gate Memory Sticks (MS Pro adaptor sold separately)• xD-Picture card• Up to 2 B memory cards. <p>All the images saved on memory cards can be displayed, selected and printed or saved on the computer also using the "Toolbox" program.</p>
Temperature ranges	<ul style="list-style-type: none">• Operating: 15 °C to 35 °C• Storage: -5 °C to +45 °C• Transportation: -15 °C to +55 °C
Humidity ranges	<ul style="list-style-type: none">• Operating: 15% to 85%, non-condensing• Storage: 15% to 85%, non-condensing• Transportation: 5% to 95%, non-condensing
Software and documentation	<ul style="list-style-type: none">• Printer and scanner drivers (WIN/MAC)• Toolbox application (WIN/MAC)• User Documentation (WIN/MAC)• Additional software (WIN)

General Specifications

Minimum system requirements for the connected personal computer

Operating system: Microsoft Windows 98 SE, ME, 2000 or XP, or MAC OS X 10.2 or later
RAM: 128 MB (256 MB suggested)
Free hard disk space: 500 MB.

PRINTER SPECIFICATIONS

Printer Specifications

Printing technology	Bubble ink-jet
Printing system	Two disposable ink cartridges: <ul style="list-style-type: none">• 3-colour (Cyan, Magenta, Yellow)• Black• 3 photographic colors For specific printing requirements, the photographic ink cartridge (sold separately) can be used instead of the black ink cartridge.
Print resolution	<ul style="list-style-type: none">• Up to 4800 dpi optimised.
Advanced print functions	Applicable from the Toolbox program or from the photographic printing control panel. Optimization of image quality: <ul style="list-style-type: none">• Using proprietary software from the "Toolbox" program.• In stand-alone mode with the "Magic" key from the photographic printing control panel.
Margins	Borderless on all types of special paper for ink-jet printers.
Direct printing mode	Available from: <ul style="list-style-type: none">• Photo Index.

COPIER SPECIFICATIONS

Copier Specifications

Resolution	<ul style="list-style-type: none">• Up to 1200 x 1200 dpi
Copy modes	<ul style="list-style-type: none">• In stand-alone mode<ul style="list-style-type: none">– 100%, fit to page– Type of paper/speed: normal paper and photographic paper– Contrast adjustment: light, normal, dark• From the Toolbox program:<ul style="list-style-type: none">– Reduction/enlargement from 25% to 400%, clone, poster mode
Maximum number of copies	<ul style="list-style-type: none">• Up to 99 when copying from the Toolbox application installed on the personal computer• Up to 9 when copying in stand-alone.

SCANNER SPECIFICATIONS

Scanner Specifications

Type	Flatbed, CIS (Contact Image Sensor)
Optical resolution	<ul style="list-style-type: none">• Up to 1200 x 1200 dpi• Interpolated: up to 9600 dpi
Maximum scan area	215 mm (Wide) x 297 mm (High)
Functions	<ul style="list-style-type: none">• Photocopier• Scan to file• Scan to email• Scan to application• Scan to fax

SPECIFICATIONS OF THE FAX SYSTEM

Specifications of the fax

Fax transmission	<ul style="list-style-type: none">• Fax functions are accessible from the keyboard or from the computer• Transmission of color or b/w fax messages• Compatibility with the G3-ITU T30 E standard• Speed of 33.6Kb/sec with auto fall back• Method of coding for files in MH, MR, MMR, JPG format• RX mode: Auto, Manual, fax-TAD, fax-telephone
Call	<ul style="list-style-type: none">• Automatic

Specifications of the fax

Method of transmission without using the computer

- Manually from the scanner; automatic loading of the pages (ADF) is not available
- Activity and confirmation reports
- CCITT/ITU Group 3 fax with error correction mode

LCD

- Display of 32 characters on 2 lines

Available functions

- Printing of TX activity report
- Printing of power failure report

Memory

- More than 100 pages (Letter Slerexe)

Telephone functions

- Automatic reception, manual reception, simplex telephone / fax, TAD / fax
- Possibility of acoustic warning in the case of a telephone call in fax reception fax mode

Connection to the computer

- Transmission from computer
- Settings of the Toolbox program
- Compilation of the Agenda.

Wi-Fi System Specifications

Wireless interface	<ul style="list-style-type: none">• The wireless connection system is integrated in the printer and uses the IEEE 802.11 b/g protocol: data are transmitted using high frequency radio waves.• The wireless system includes a network adapter and the radio wave system. The USB connection and Wi-Fi connection can be used at the same time.
Transmission Speed	<ul style="list-style-type: none">• 54 Mbps on 2.4 GHz band, if available.
Available functions	<ul style="list-style-type: none">• All the functions can be used by the connection via cable and via the wireless connection (only reading of the memory card is not available).
Web server	<ul style="list-style-type: none">• For simple management of the printer, use the web browser through which it is possible to check status, define and modify setting parameters.
Communication mode	<ul style="list-style-type: none">• Peer-to peer: The integrated wireless network connection can connect directly with a PC equipped with wireless functions for an Ad-Hoc mode connection.• The peer-to-peer method of connection is used for small/medium web connections as the increase of the number of network connections reduces the quality and range of the connection. This type of connection is set by default.• Infrastructure: The printer is connected with a network of PCs via an access point connected to a central hub or gateway that connects all the wireless peripherals or with an Ethernet connection.• Installation and configuration of the printer in Infrastructure mode requires connection with an USB cable, which may be removed once the parameters for network connection in wireless mode have been set.
Security Settings	<ul style="list-style-type: none">• SSID (Service Set Identifier).• WEP (Wired Equivalent Privacy) key. Via Web Server mode it is possible to install WPA (WiFi Protected Access) keys in PSK (Pre Shared Key) mode Home/SOHO. note: To enter the network protection keys, the EWS must be accessed before installing the software via the USB connection.

PAPER SPECIFICATIONS

Supported Paper Types

Paper type	Paper weight	Maximum feed capacity
A4 Plain paper	70 to 80 g/m ²	100 sheets
A4 Plain paper	> 80 to 90 g/m ²	More than 50 sheets
A4 Coated paper	100 to 170 g/m ²	50 sheets
A4 Transparencies	170 g/m ²	20 sheets
A4 Photo paper	160 to 280 g/m ²	20 sheets
A4 Glossy paper	160 to 180 g/m ²	20 sheets
A4 T-shirt transfers	150 to 180 g/m ²	5 sheets
A4 ink-jet labels	80 to 110 g/m ²	20 sheets
A4 Banners	80 to 90 g/m ²	20 banners, fed manually
10x15 cm Note Cards	130 to 280 g/m ²	20 cards
10x15 cm and 13x18 cm Photo paper	170 to 280 g/m ²	20 sheets
Envelopes	75 to 100 g/m ²	10 envelopes

Supported Paper Formats and Sizes

Format	Size	Format	Size
A4	8.27 x 11.7 in. 210 x 297 mm	2L	5 x 7 in. 127 x 177.8 mm
A5	5.85 x 8.27 in. 148.5 x 210 mm	US # 10	4.12 x 8.85 in. 105 x 225 mm
US Letter	8.5 x 11 in. 216 x 279 mm	C5 envelope	6.38 x 9.0 in. 162 x 229 mm
US Legal	8.5 x 14 in. 216 x 356 mm	DL envelope	4.33 x 8.66 in. 110 x 220 mm
US Executive	7.25 x 10.5 in. 184 x 267 mm	C6 envelope	4.46 x 6.37 in. 114 x 162 mm
US Folio	8.5 x 13 in. 215.9 x 330.2 mm	B6	4.92 x 6.93 in. 125 x 176 mm
US Statement	5.5 x 8.5 in. 139.7 x 215.9 mm	B5 envelope	6.93 x 9.84 in. 176 x 250 mm
B5	7.2 x 10.1 in. 182 x 256 mm	Monarch	3.875 x 7.50 in. 98.43 x 190 mm
4x6" cards	4 x 6 in. 102 x 152 mm	Chokei 3 envelope	4.72 x 9.25 in. 120 x 235 mm
5x8" cards	5 x 8 in. 127 x 203 mm	Chokei 4 envelope	3.54 x 8.0 in. 90 x 205 mm
A6	4.135 x 5.85 in. 105 x 148.5 mm	Chokei 40 envelope	3.54 x 8.8 in. 90 x 225 mm
13 x 18 cards	5.12 x 7.09 in. 130 x 180 mm	Karugata 3 envelope	8.5 x 11 in. 216 x 277 mm
Index cards	3 x 5 in. 76.2 x 127 mm	Karugata 4 envelope	7.75 x 10.5 in. 197 x 267 mm
Hagaki card	3.9 x 5.8 in. 100 x 148 mm	Karugata 5 envelope	7.75 x 10.5 in. 190 x 240 mm
L	3.5 x 5 in. 89 x 127 mm	Banner (A4)	8.27 x 223.8 in. 210 x 5938 mm

note: All the formats listed above are detected automatically by the printer; sheets of particular size can be used entering these in a specific window of the print and copy drivers (personalized print format).

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