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## ***How this manual is set up for easy use***

To make it as easy as possible to install, program and use your fax machine, we have divided the manual into three main parts:

### **I ESSENTIALS**

Here you find everything which is necessary to quickly install and use your fax machine. You learn about the proper location, the important settings and the basic functions which are available.

### **II FUNCTIONS**

In this part you find the whole range of special functions your fax machine offers. These are several functions of the fax and additional possibilities.

### **III APPENDIX**

Here you find a table of errors and problems that may arise and how to solve them. Further there is technical information, the address of the customer hotline, the index and a glossary, which explains some technical terms.



***Lightning protection: To protect your machine from possible damage, we recommend to disconnect the machine from the mains and from the telephone line during thunder storms.***

***This equipment is not designed for making telephony calls when the power fails. Alternative arrangements should be made for access to emergency services.***

## I ESSENTIALS



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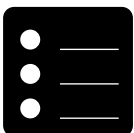


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## II FUNCTIONS



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***I***  
***ESSENTIALS***



# 1 Introduction

This chapter gives basic information about your fax machine - the fax technology in general, the use of the user manual, the operating elements and the functions.

## 1.1 Preface

We are very glad that you have selected our fax machine. Congratulations on your decision. In your new machine the most advanced technology has been applied to meet the highest quality levels. Furthermore, our engineers have combined a wide range of functions with the easiest use possible.

Your fax machine opens the door to the world of private telecommunications in an easy and fast way. At the same time additional telecommunication appliances can be connected.

Enjoy your new fax machine!

## 1.2 Conventions

*italic* References, function names and announcements

**bold** Important information

 *italic* Additional information

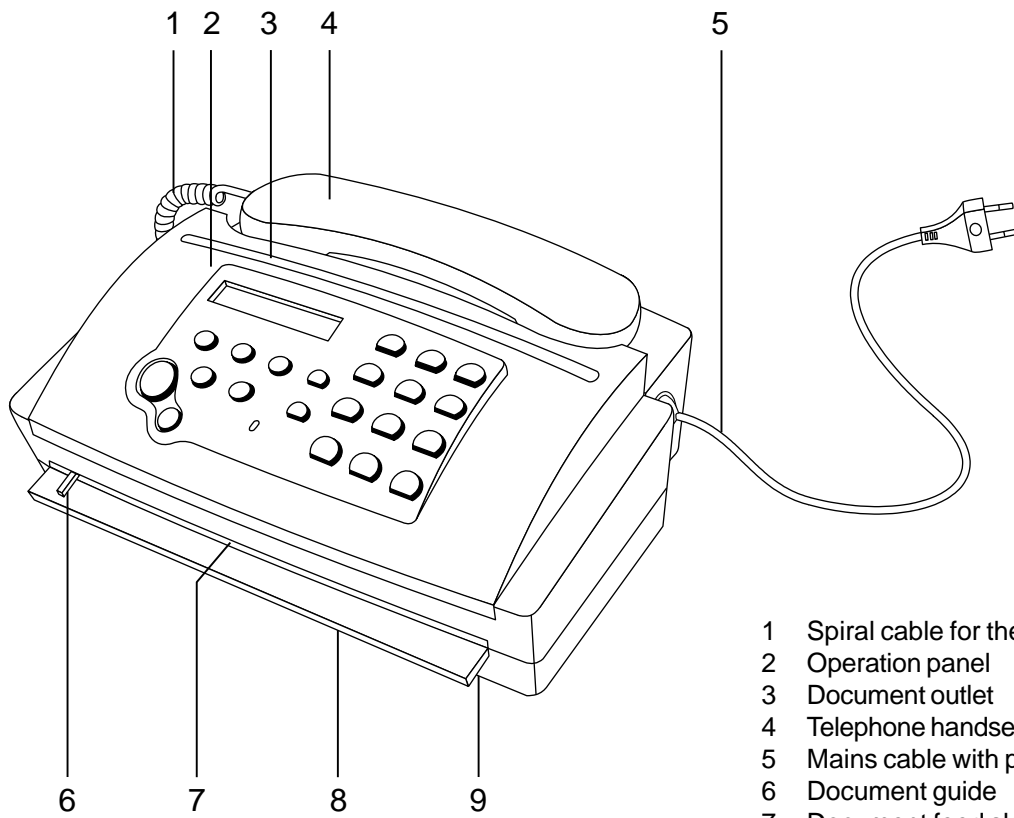
 **bold and italic** Decisive information regarding security and proper operation

CAPITAL LETTERS Display texts and key names

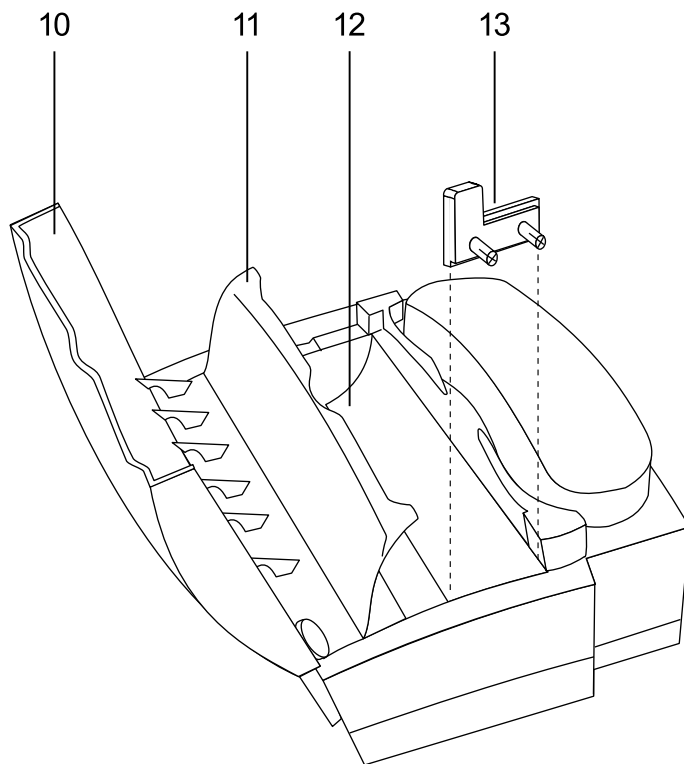
## 1.3 Description

Check that the following items are included in the packaging:

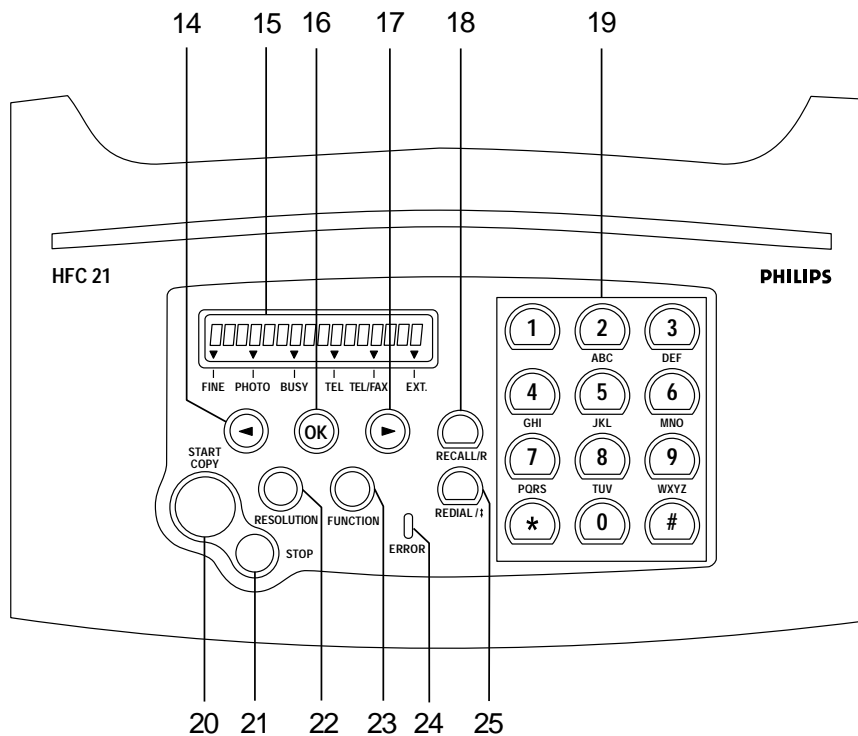
Fax machine  
Telephone handset with spiral cable  
Telephone cable with plug  
Thermal paper  
Paper adjustment part (built-in)  
User manual  
Guarantee booklet



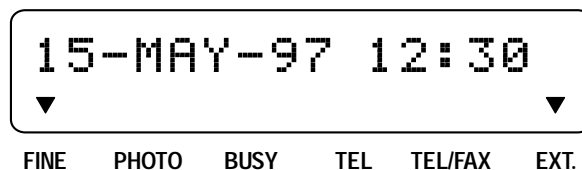
- 1 Spiral cable for the telephone handset
- 2 Operation panel
- 3 Document outlet
- 4 Telephone handset
- 5 Mains cable with power plug
- 6 Document guide
- 7 Document feed slot
- 8 Paper tear strip
- 9 Thermal paper outlet



- 10 Operation panel
- 11 Inner paper cover
- 12 Paper compartment
- 13 Paper adjustment part  
(for 210 mm thermal paper rolls)



- 14 CURSOR LEFT: to move the cursor, to select options, to adjust the volume and to delete entries
- 15 Display (Remove the protection foil before use.)
- 16 OK key: to confirm entries
- 17 CURSOR RIGHT: to move the cursor, to select options and to adjust the volume
- 18 R key: for the use with a private branch exchange (PABX)
- 19 Dial pad for entering numbers and names
- 20 START/COPY key: to start transmission or to copy
- 21 STOP key: interrupts procedures
- 22 RESOLUTION key: to send and copy with higher resolution
- 23 FUNCTION key: to call up functions
- 24 ERROR indicator lamp
- 25 MERCURY/REDIAL key: to start the MCL service and to repeat the last number you have dialled, or to make a dialling pause



The pointers on the display indicate different modes:

- FINE/PHOTO** indicate whether you send or copy with a higher resolution or with grey tones. If none of the two is visible, the standard resolution is selected. To change the resolution use the RESOLUTION - key.
- BUSY** is visible if you are calling on an external phone on the same telephone line.
- TEL, TEL/FAX, EXT.** are three different modes to operate your fax machine. You can choose between the modes with function 31. See details in chapter 3.4.

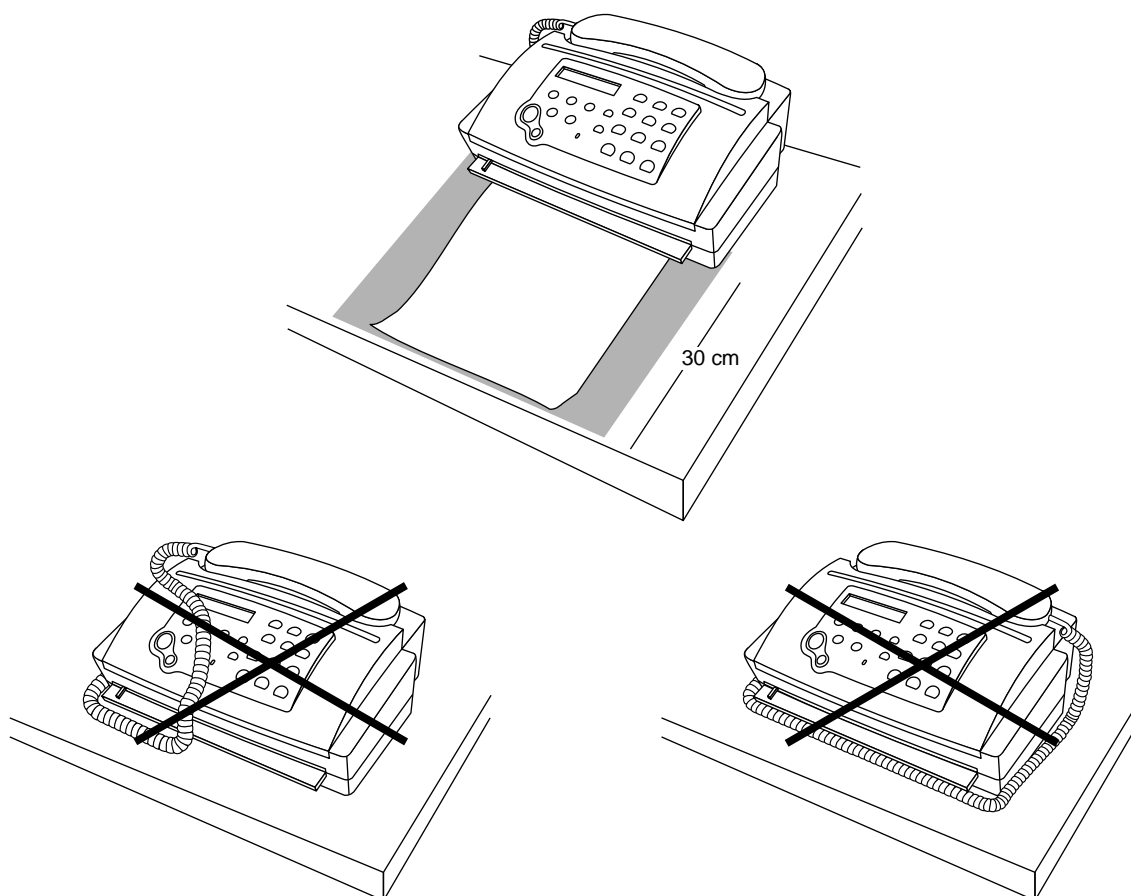




## 2 Installation

This chapter explains the correct installation of your fax machine.

### 2.1 The proper location



Your fax should be positioned near the telephone socket and near a mains socket. Make sure it is placed in a safe and stable position on a flat and horizontal surface. Do not locate your fax in direct sunlight, near radiators or air conditioning and do not expose it to dust, water or chemicals.



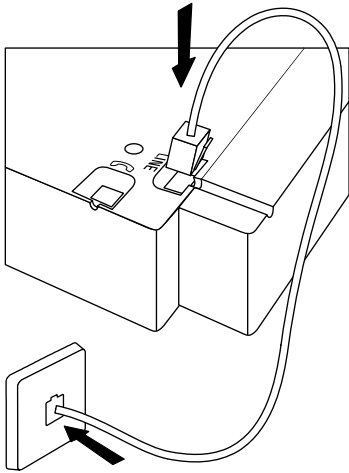
**Since the paper outlet is at the front, do not place any objects in front of the machine. In order to avoid a paper jam, make sure that the surface close to the paper outlet is smooth. Rubber-like surfaces are not suitable.**



**The fax machine heats up during operation. Avoid heat build-up by ensuring that the machine is not covered. Place the fax in such a way as to ensure free circulation of air around it.**

## 2.2 Connection

### Connecting to the telephone socket (without additional devices)

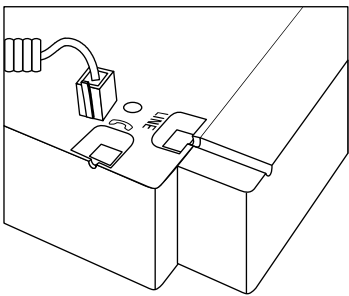


Turn the machine bottom up. Connect the telephone cable to the fax machine by inserting it in the socket on the bottom of the machine identified with LINE.

Then insert the telephone plug into the telephone line socket.

Insert the cable in the groove provided.

### Connecting the handset to the fax machine



Remove the handset and the spiral cable from its wrapping.

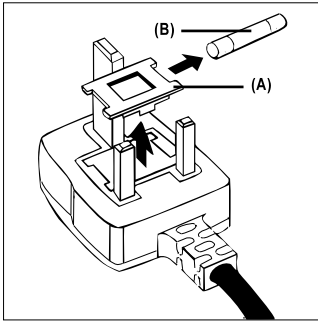
Insert the one end of the spiral cable into the socket identified with a handset symbol on the bottom of the machine.



**This appliance must be earthed (information for UK only).**

### How to change a fuse:

This apparatus is supplied with an approved moulded 13A plug. To change a fuse in this type of plug proceed as follows:



1. Remove fuse cover and fuse.
2. Fit new fuse which should be a BS 1362 5A, A.S.T.A. or BSI approved type.
3. Refit the fuse cover.

If the fitted plug is not suitable for your socket outlets, it should be cut off and an appropriate 3-pin plug fitted in its place.

If the mains plug contains a fuse, this should have a value of 5A. If a plug without a fuse is used, the fuse at the distribution board should not be greater than 5A.



*The severed plug must be destroyed to avoid a possible shock hazard should it be inserted into a 13A socket elsewhere.*

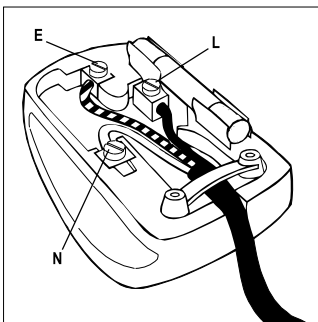
### How to connect a plug:

The wires in the mains lead are coloured in accordance with the following code:

BLUE - "NEUTRAL" ("N")

BROWN - "LIVE" ("L")

GREEN & YELLOW - "EARTH" ("E")




1. The GREEN & YELLOW wire must be connected to the terminal in the plug which is marked with the letter "E" or by the Earth symbol or coloured GREEN AND YELLOW.
2. The BLUE wire must be connected to the terminal which is marked with the letter "N" or coloured BLACK.
3. The BROWN wire must be connected to the terminal which is marked with the letter "L" or coloured RED.


Before replacing plug cover, make certain that the cord grip is clamped over the sheath of the lead - not simply over the three wires.

## Connecting to the power supply

Plug the mains cable into the wall socket. The machine will carry out an internal test.

Afterwards you need to **enter the current date and time** (see below).

 *If there is no thermal paper in the machine, the display will read: Insert a new paper roll (see chapter 2.6).*

 *If you do not enter the time and date, after 40 seconds or after you press the STOP key the display will read as follows:*

TIME: 00:00  
FINE PHOTO BUSY TEL TEL/FAX EXT.

OUT OF PAPER  
FINE PHOTO BUSY TEL TEL/FAX EXT.

DIAL/INSERT DOC.  
FINE PHOTO BUSY TEL TEL/FAX EXT.

① ② ③  
④ ⑤ ⑥  
⑦ ⑧ ⑨  
\* 0 #

Use the dial pad to enter the correct time (e.g. ① ② ③ ④ for 12:30).

TIME: 12:30  
FINE PHOTO BUSY TEL TEL/FAX EXT.

OK

Press the OK key.

YEAR: 96  
FINE PHOTO BUSY TEL TEL/FAX EXT.

① ② ③  
④ ⑤ ⑥  
⑦ ⑧ ⑨  
\* 0 #

Enter the correct year.

YEAR: 97  
FINE PHOTO BUSY TEL TEL/FAX EXT.

OK

Press the OK key.

MONTH: 01  
FINE PHOTO BUSY TEL TEL/FAX EXT.

① ② ③  
④ ⑤ ⑥  
⑦ ⑧ ⑨  
\* 0 #

Enter the correct month.

MONTH: 05  
FINE PHOTO BUSY TEL TEL/FAX EXT.

OK

Press the OK key.

DAY: 01  
FINE PHOTO BUSY TEL TEL/FAX EXT.

① ② ③  
④ ⑤ ⑥  
⑦ ⑧ ⑨  
\* 0 #


Enter the correct day.

DAY: 15  
FINE PHOTO BUSY TEL TEL/FAX EXT.

OK

Press the OK key.

15-MAY-97 12:30  
FINE PHOTO BUSY TEL TEL/FAX EXT.

 *You can correct your entries any time you want (see chapter 2.7.6).*

 *If desired you can change the language on the display with function 15 (see page 19).*



***In the event of a power failure, you can no longer operate the telephone or fax facility. If switched on again you have to re-enter the current time.***



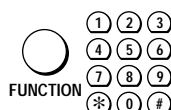
***Keep the power plug free and easily accessible. The machine has no power on/off switch, so the plug is used to switch off the power.***

## Tone or pulse dialling

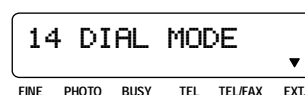
Your phone can dial in two different ways. Older telephone systems usually work with pulse dialling, whilst modern, digital systems use tone dialling. You can change the dialling mode of your fax machine. If you do not know which method your line uses, contact your telephone company.



**Only for UK:** Although this equipment can use either loop disconnect or DTMF signalling, only the performance of the DTMF signalling is subject to regulatory requirements for correct operation. It is therefore strongly recommended that the equipment is set to use DTMF signalling for access to public or private emergency services. DTMF signalling also provides faster call set up.



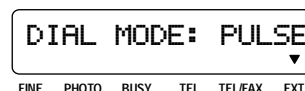
Select function 14 (pressing the function key and then the number 14).



Press the OK key.



Press the CURSOR LEFT or CURSOR RIGHT key.



Press the OK key.



Press the OK key again if you are operating your fax machine on a regular PTT line (connecting to a private branch exchange see chapter 2.5).



Sometimes it is necessary to send tone dial signals to make use of certain services. If your telephone system works on pulse dialling, you can still do so by pressing the or key. All numbers are then transmitted in the tone dialling method. As soon as you replace the handset on the fax machine, your fax machine will switch back to pulse dialling.

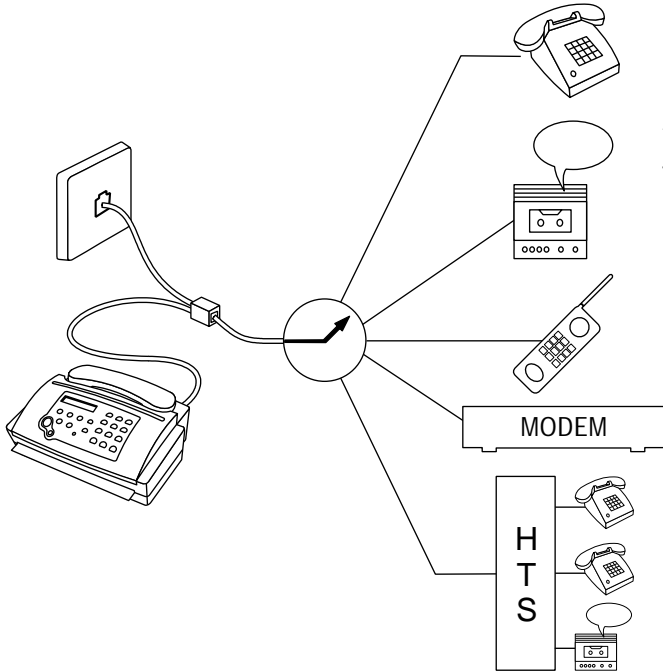
## 2.3 Connecting additional devices

In addition to your fax machine, you can also connect other devices, such as additional telephones, an answering machine or a modem to a single telephone line (**for UK:** So long as the REN (Ringer Equivalence Number) value on the line doesn't exceed 4. The REN value on the fax is 1). The factory-setting of your fax machine allows the connection and instant use of other such devices.



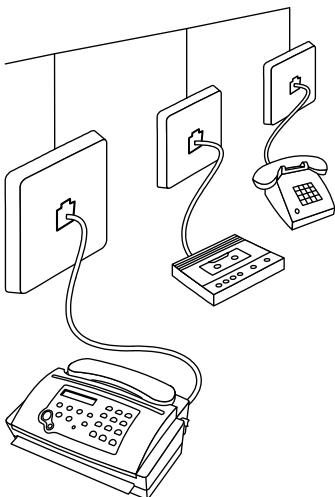
*If you have connected an answering machine, make sure that the number of rings programmed on the answering machine is less than the one on your fax.*

### To the same socket (not in all countries)



You can connect additional devices to the same telephone plug.

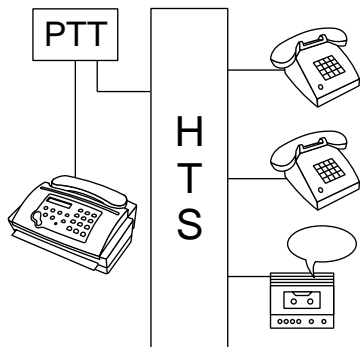
### To separate sockets (not in all countries)



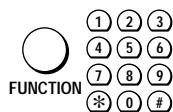
You can connect additional devices to separate sockets on the same line even if they are located in different rooms. Make sure that the fax machine is the first device connected to the line.

## 2.4 Connecting to a home telephone system

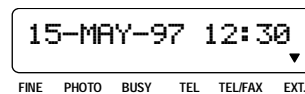
(one PTT line)



Connect the fax machine as the first device to the line and the home telephone system (HTS) as the second.



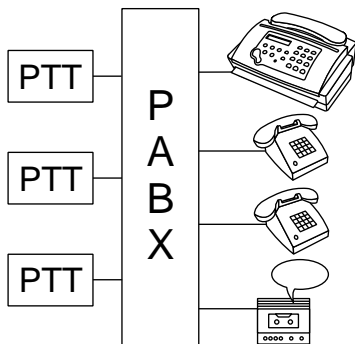
In order to operate your fax machine on a home telephone system, change to EXT. mode with function 31. The corresponding pointer on the display will light up.



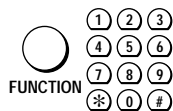
There are no regulations for home telephone systems. Therefore we cannot provide you with generally valid operating rules. Refer to the operating instructions provided by the manufacturer.

## 2.5 Connecting to a private branch exchange

(several PTT lines)



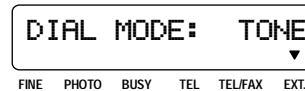
Connect the fax machine to an extension line of the private branch exchange (PABX). In order to operate your fax machine on an extension, you need to enter the appropriate settings in function 14.



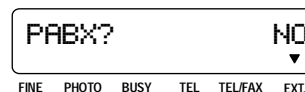
Select function 14 (pressing the function key and number 14).



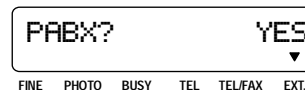
Press the OK key.



Press the OK key.

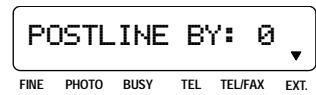


Press the CURSOR LEFT or CURSOR RIGHT key in order to switch to operation on a PABX extension.

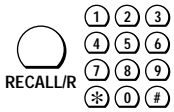




Press the OK key.



FINE PHOTO BUSY TEL TEL/FAX EXT.



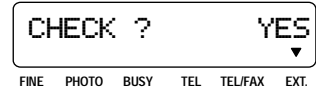
Now enter the key that has to be pressed to obtain an outside line (outside line access code). This is either 0, the R key or another number.



FINE PHOTO BUSY TEL TEL/FAX EXT.



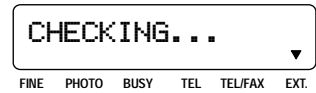
Press OK.



FINE PHOTO BUSY TEL TEL/FAX EXT.

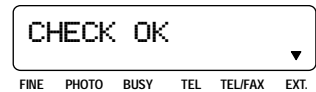


Press OK. Your machine will then check that the outside line can be obtained.



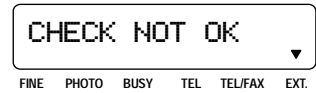
FINE PHOTO BUSY TEL TEL/FAX EXT.

If the check is successful, the following message will appear briefly in the display:



FINE PHOTO BUSY TEL TEL/FAX EXT.

If the check is unsuccessful, the following message will appear briefly in the display.



FINE PHOTO BUSY TEL TEL/FAX EXT.

You will be asked to repeat the entry. Change either the dial mode or the key for obtaining an outside line.



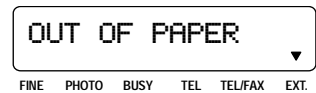
FINE PHOTO BUSY TEL TEL/FAX EXT.

## 2.6 Loading or removing the thermal paper

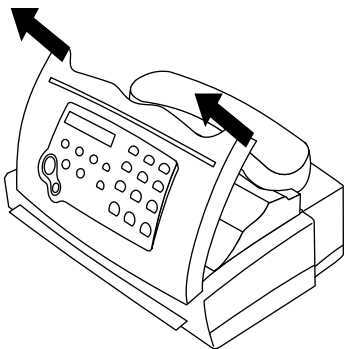
### Loading the thermal paper

Before you can receive or copy documents you must first load thermal paper into your fax machine. For this, your fax machine needs to be connected to the power supply.

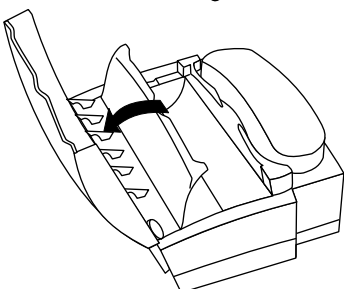
If the paper is finished or no paper roll is in your fax machine, the display will read: You can remove the rest of the old paper roll and insert a new one.



FINE PHOTO BUSY TEL TEL/FAX EXT.

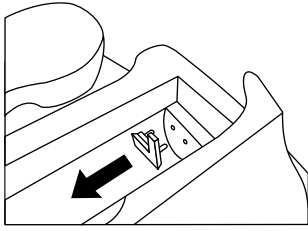


Open the operation panel by gripping the edges on either side.

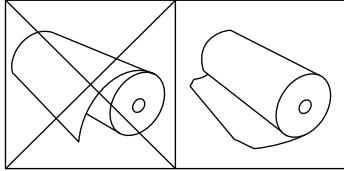


Then open the inner paper cover until it clicks into place.

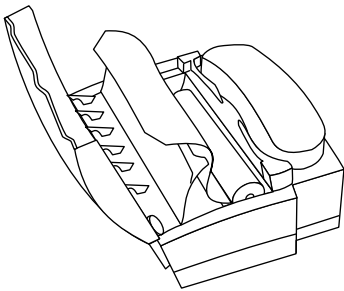




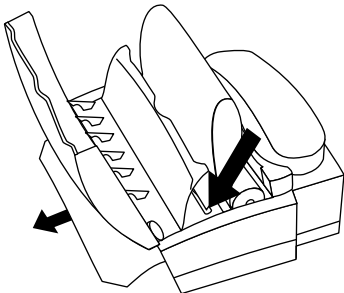
The paper compartment is set to a paper width of 210 mm. If you want to use paper rolls with a width of 216 mm, remove the paper adjustment part.



Unwrap the new paper roll. Cut the leading edge of the thermal paper, so that any sticker is totally removed. Cut it in a straight line and cut the edges as indicated on the picture, this will make feeding the paper easier. Hold it so that the paper unrolls in the direction away from you when you pull the paper upwards.



Place the paper roll in the compartment as illustrated. Pull out approximately 15 cm of paper.



Slide the leading edge of the paper into the paper feed slot until it protrudes from the front of the machine.



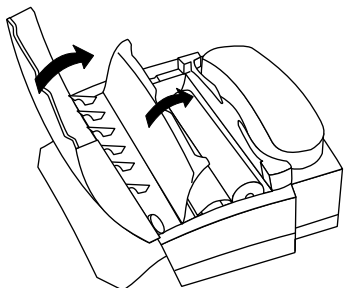
*If your local copy or received faxes are blank, the document or the thermal paper are inserted the wrong way.*

**Help for feeding in the thermal paper:**

If you have problems feeding in the paper (for example because there is not much fax paper left and it is curling):



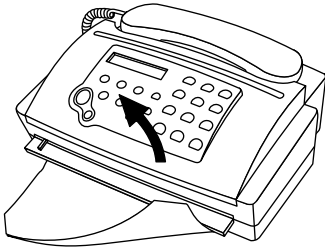
Press the start key. The rubber roll inside the machine starts turning. Now insert the paper as normally. The turning roll will help you feed the paper through the machine. The roll will turn for about 30 seconds and will then stop automatically.



Close the inner paper cover and the operation panel.



Press the STOP key. The thermal paper is now pressed against the transport roll inside the machine and is ready for being transported.



Tear off the paper protruding from the machine, by tearing it along the paper tear strip, starting at one side of the paper.



*If you do not press STOP, the machine will automatically bring the thermal paper into the correct position to be fed through the machine when you copy, send or receive for the first time.*



*At the end of the fax reception wait at least 5 seconds before tearing off the fax, just to be sure that the fax transmission has finished.*



*Press the START key to feed the paper through; it will feed through as long as you keep the key pressed.*

### Removing fax paper during use

If you want to remove the thermal paper, for example because you want to insert a new roll or there is a paper jam, follow these steps:



Press STOP for 3 seconds. A confirmation signal will sound. Now the thermal paper roll is free and the paper can be easily removed. To load thermal paper, proceed as described above.



***If you do not follow these steps you might damage your fax machine!***



*The black stripe at the end of the paper roll indicates to the fax machine that the paper is about to run out. As soon as the stripe is visible, the fax currently being received will be completed but no more faxes will be received.*

## 2.7 Important settings



If you press a wrong key by mistake, press the STOP key once or twice. This will return you to the original position and you can repeat the procedure.



If you want to keep a note of the factory settings on your machine for later, we recommend printing out a function list before you change any of the settings.

### 2.7.1 Available functions

#### Printing a list of all functions

To keep the use of the functions as simple as possible, they are grouped logically. You can print out a list of all functions:



Press the FUNCTION key twice.



Press the OK key. A function list will be printed.



#### FUNCTION LIST

| 1 SET UP   | 2 COMMUNICATION  | 3 FAXSWITCH                               | 4 OTHERS        |
|--|--|---|-----------------|
| 11 SET DATE/TIME<br>12 YOUR TEL. NR.<br>13 YOUR NAME<br>14 DIAL MODE<br>15 SET LANGUAGE<br>16 PAGE HEADER<br>17 USAGE CODE   | 21 SLOW (4800BPS)<br>22 POLLED RECEPTION<br>27 MERCURY | 31 MODE<br>32 RING COUNT<br>33 EXT. PHONE | 41 REMOTE OPER. |
| CURRENT SETTINGS 15-MAY-97 12:30   |  |   |                 |
| YOUR NAME:<br>YOUR TEL. NR. :<br>DIAL MODE:           TONE<br>PBX?:                   NO<br>RING COUNT:        TEL/FAX       EXT.<br>4                    3<br>ROM VERSION:       V1.0 BB UK |  |   |                 |

Below you will find a list of all functions with a short description. The setting of these functions is explained on the indicated pages.

### 1 Set Up

|                          |   |        |
|--------------------------|---|--------|
| 11 Set date and time     | Setting date and time .....   | 21     |
| 12 Your telephone number | Enter your telephone number .....   | 21     |
| 13 Your name             | Enter your name .....   | 22     |
| 14 Dial mode             | Setting the dial mode and for operation<br>on an extension .....  | 13, 15 |
| 15 Set language          | Select the language of the display text .....   | 20     |
| 16 Page Header           | Header on/off .....   | 36     |
| 17 Usage Code            | Blocks the fax machine from unauthorised use<br>(This function is not available in all countries) ..... | 38     |

### 2 Communication

|                     |   |    |
|---------------------|---|----|
| 21 Slow (4800 bps)  | Setting for half-speed transmission .....                                       | 37 |
| 22 Polled reception | You can call up fax messages .....  | 35 |
| 27 Mercury          | Enables you to make use of the Mercury services<br>(only available in UK) ..... | 41 |

### 3 Fax switch

|                       |                                  |    |
|-----------------------|----------------------------------|----|
| 31 Mode               | Setting the mode .....           | 28 |
| 32 Ring count         | Setting the ring count .....     | 30 |
| 33 External telephone | Setting additional devices ..... | 31 |

### 4 Others

|                     |   |    |
|---------------------|---|----|
| 41 Remote operation | Remote diagnostics and service<br>(This function is not available in all countries) ..... | 40 |
|---------------------|---|----|

## 2.7.2 Language of display and reports

You can select the language in which messages will be displayed and reports printed out. There is a choice of three languages.



Press the FUNCTION key.



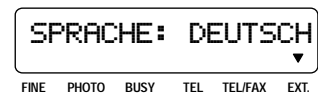
Select function 15.



Press the OK key.



Select the language required using the CURSOR LEFT or CURSOR RIGHT key.



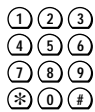
Press the OK key to confirm.



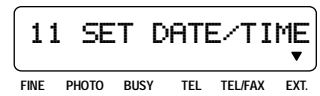
## 2.7.3 Entering date and time



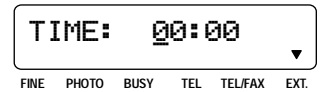
Press the FUNCTION key.



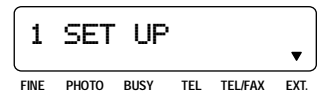
Enter function 11.



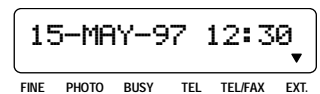
Press the OK key and make the entries (see chapter 2.2).



Press the OK key when finished.



Press STOP to return to the standby mode immediately.

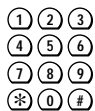


## 2.7.4 Entering your number

Use the (#) key to enter the +, that is often used in international fax numbers in front of the country code, and the (\*) key to enter a space. The maximum number of digits you can use for your number is 20.



Press the FUNCTION key.



Enter function 12.

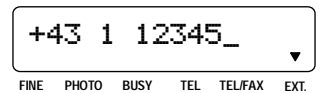


Press the OK key.

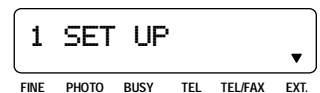


Enter your telephone or fax number, for example:

(#)(4)(3)(\*)(1)(\*)(1)(2)(3)(4)(5).



Press the OK key, and your number is now stored.



## 2.7.5 Entering your name

When you enter a name (maximum 32 digits), the number keys are used to enter letters. Every key has a number of different characters. The following table shows which characters are entered by which key. Every time you press a particular key you will call up the next character. After the last character the sequence starts again from the beginning.

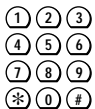
| ①       | ② | ③ | ④ | ⑤ | ⑥ | ⑦ | ⑧ | ⑨ |   |
|---------|---|---|---|---|---|---|---|---|---|
| {Space} | 1 | A | D | G | J | M | P | T | W |
| .       |   | B | E | H | K | N | Q | U | X |
| -       |   | C | F | I | L | O | R | V | Y |
| 0       | 2 |   | 3 | 4 | 5 | 6 | 7 | 8 | Z |
| +       |   | a | d | g | j | m | S | t | 9 |
| ?       |   | b | e | h | k | n | 7 | u | w |
| /       |   | c | f | i | l | o | p | v | x |
| :       |   | À |   |   |   | Ñ | q | Ü | y |
| *       |   | Á |   |   |   | Ö | r | ü | z |
| %       |   | Æ |   |   |   | õ | s |   |   |
| !       |   | Ç |   |   |   |   |   |   |   |
| (       |   | ç |   |   |   |   |   |   |   |
| )       |   | ä |   |   |   |   |   |   |   |
| [       |   | â |   |   |   |   |   |   |   |
| ]       |   | æ |   |   |   |   |   |   |   |
| ”       |   | ç |   |   |   |   |   |   |   |



With the ① key you can insert spaces.



Press the FUNCTION key.



Enter function 13.



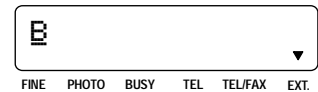
Press the OK key.



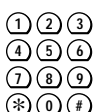
Press the ② key, for example. The cursor will remain in the same position.



Press the ② key again. The key now enters the second letter marked on it.



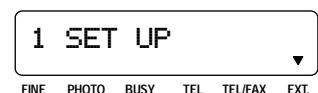
Now press the # key. The cursor moves one place to the right. You can also do this using the CURSOR RIGHT key.



Now enter the second letter, e.g. with the ③ key.



Complete your entry by pressing the OK key. Your entry is now stored.



## 2.7.6 Correcting wrong entries

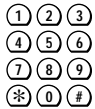
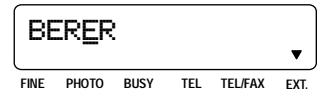
If you have entered a wrong letter or number, you can correct the mistake. This is possible during the entering procedure as well as later. If you want to make your corrections later, you have to select the functions for entering numbers or names another time.



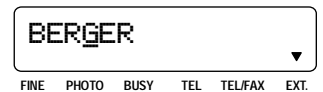
Using the CURSOR RIGHT key, move the cursor to the right of the character you intend to correct. If the cursor has reached the end of the display, it will re-appear at its beginning.



Press the CURSOR LEFT key. The character left of the cursor is deleted.



Now enter the correct character (the 4 key, in this example). It will be inserted at the cursor position, and the character(s) to the right of the cursor will be moved one position to the right.



To confirm press the OK key.

## 2.7.7 Mode of operation

The factory-setting of your fax machine is the operating mode EXT; that means that you may use your fax machine either without or together with other devices (e.g. telephones, external answering machines) without making any additional settings.

If you want to receive faxes without ringing of the fax machine, you have to change to operating mode TEL/FAX. Please note, that in this mode the use of other devices is not possible.

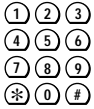
Further information about the different operating modes can be found in chapter 3.4.



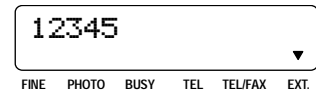
## 3 The basic functions

This chapter explains the elementary functions which are necessary to operate your fax machine.

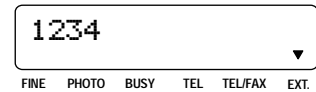
### 3.1 Making a call



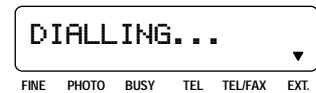
Dial the desired number.



If you have entered a wrong digit, delete it using the CURSOR LEFT key.



Lift the handset. The fax machine will dial.



**If, after dialling, you hear the dial tone instead of a ringing tone, change the dial mode setting by selecting function 14.**

### 3.2 Redial

You can redial the last number you dialled simply by pressing one key.

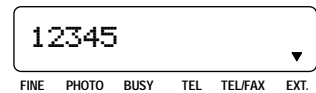
**Redialling in UK (only if the Mercury function is activated):**



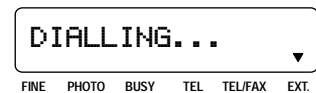
Press the REDIAL key. The mercury function is indicated on the display.



Press the REDIAL key again.



Lift the handset. Your machine will automatically dial the last number entered.





## Redialling in all other countries ( and UK BT subscribers):

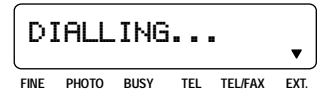


Lift the handset.



Press the REDIAL key.

Your machine will automatically dial the last number entered.



*You can only redial a number which has already been dialled. Numbers you enter with the handset down and delete before having dialled them as well as numbers you enter after pressing the R key for forwarding to an extension cannot be redialled using the REDIAL key.*

## 3.3 Sending faxes

### Which documents to use

In order to avoid transmission errors you must use good quality, legible originals. Therefore, keep to the following guidelines:

#### Minimum size:

Width: 148 mm  
Length: 105 mm  
Thickness: 0.05 mm  
(60g paper)

#### Maximum size:

Width: 217 mm  
Length: 600 mm  
Thickness: 0.15 mm  
(120g paper)

Write clearly and legibly. Only use pens with dark ink (black/dark-blue, not yellow/orange/light green). Printed documents work best.



*Documents shorter than specified risk getting stuck in the machine.*



***The following points are the most common causes of errors when sending faxes!***



Stapled pages or pages held together with paper-clips. Remove all staples and clips before sending.



Creased or torn pages.



Wet pages or pages with corrections made with correction fluid; dirty pages or pages with a glossy or laminated surface.

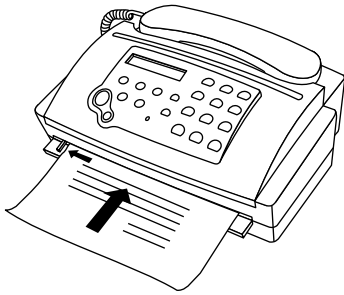


Pages joined with sticky tape or glue, pages which are too thin or too thick or pages with adhesive stickers such as „Post-It®“ notes.



Pages written in faint pencil, crayon, chalk or artist's charcoal.

## Feeding documents in



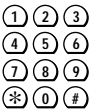
Take the first page of the document and place it **face up** as shown in the picture. Slide the document into the fax along the document guide on the left hand side of the feed slot until it stops. Wait for a moment: The document will now be slightly drawn in automatically by the feeding mechanism.

Once the document has been drawn in by the transport mechanism, it should not be pushed in any further, otherwise the top part will be missing when you make a copy or transmit a fax.

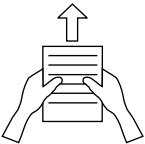
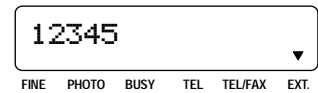


*Leave some space on the upper edge of your document (about 4 mm). This part cannot be scanned and therefore will not be sent.*

## Sending



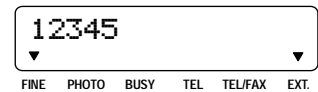
Dial the number you require.



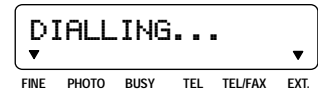
Insert the first page of your document face up into the paper feed slot.



You can select a higher resolution by pressing the RESOLUTION key. The corresponding pointer on the display will light up.



Press the START/COPY key.

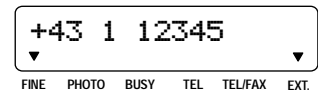


The machine is attempting a connection.



*If the number you are calling is engaged or you cannot make a connection, your machine will automatically redial the number. If a connection is not made after the third attempt, the procedure will stop.*

Transmission now begins. The recipient fax machine will now transmit its sender identification, which will appear in your display.



*You can now check again whether you have dialled the correct number. If necessary you can interrupt transmission by pressing the STOP key.*

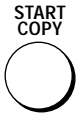
If the recipient machine has no sender identification stored, the display will show:

SENDING ...  
FINE PHOTO BUSY TEL TEL/FAX EXT.

After a few seconds the display will read alternately:

NEXT PAGE  
FINE PHOTO BUSY TEL TEL/FAX EXT.

PRESS START  
FINE PHOTO BUSY TEL TEL/FAX EXT.



If you wish to send more pages, press the START key while the first page is going through. As soon as it is through, you have 5 seconds to insert the next page. For every new page you want to send, press the START key whilst the previous page is going through. When the last page has gone through, the display will indicate the number of pages transmitted.

02 PAGES SENT  
FINE PHOTO BUSY TEL TEL/FAX EXT.



A transmission report will be printed out at the end of each transmission (see example below) and the machine will return to stand-by.



If the transmission is not successful an error report will be printed out (see example below). During the printing of an error report the ERROR lamp flashes. Press STOP.

#### Examples for transmission report and error report:

TRANSMISSION REPORT 15-MAY-97 9:07

```
FROM (OWNER):      43 1 60101 12345
TO:                43 1 60101 54321
PAGE (S):          2
DURATION:          0,26"
RESOLUTION:        STANDARD
RESULT:            OK
```

ERROR REPORT 15-MAY-97 9:09

```
FROM (OWNER):      43 1 60101 12345
TO:                43 1 60101 54321
PAGE (S):          2
DURATION:          0,21"
RESOLUTION:        STANDARD
ERROR ON PAGE (S) 1
```



Do not insert a new document until the report is completely printed out. Otherwise the document is drawn in with the report being printed.

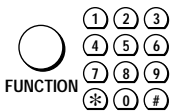
### 3.4 Receiving faxes - different reception modes

You have no additional devices connected to your fax machine:

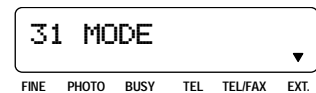
| mode:   | fax-reception                  | add. devices possible | see for details:                                       |
|---------|--------------------------------|-----------------------|--|
| TEL     | manually                       | yes                   | 3.4.2 manual reception                                 |
| TEL/FAX | automatically, without ringing | no                    | 3.4.3 automatic reception without additional devices   |
| EXT.    | automatically                  | yes                   | 3.4.3 automatic reception, additional devices possible |

All these options are explained in detail on the following pages.

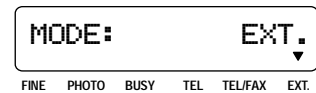
#### 3.4.1 Changing the mode



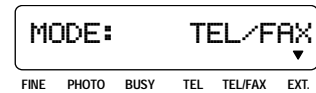
Select function 31.



Press OK.



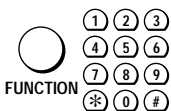
Select the desired mode with CURSOR LEFT or CURSOR RIGHT.



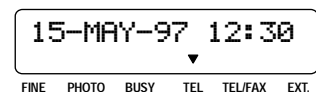
Press OK. The relevant pointer on the display will light up and the fax machine will be in the mode indicated.



#### 3.4.2 Manual reception



Change to TEL mode with function 31. The corresponding pointer on the display will light up.



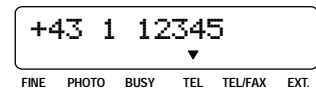
Your fax machine will now operate just like a normal telephone.



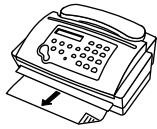
Lift the handset.



If you hear a whistling tone or silence when you answer the telephone, you are receiving a fax message. Just press the START button and replace the handset. The fax machine calling you will now send its identification, which will appear in the display on your machine.



If the machine calling you has no sender identification stored, the display will read:



The fax machine will now print out the message. The confirmation signal will sound at the end of the transmission.



After transmission tear off the paper protruding from the machine, by tearing it along the paper tear strip, starting at one side of the paper.

### With additional telephones



If you answer the call on an additional telephone and recognise a fax signal, you can start the fax reception by pressing **\*** and **5**. This code, the so-called DTMF code, can be changed (function 33).



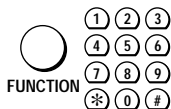
*However this will work only if your additional telephone has tone dialling. On many pulse dialling telephones you can precede the code with a **\*** or a **#** to transmit signals in tone dialling mode. Please see your telephone instructions for further information.*

### 3.4.3 Automatic reception

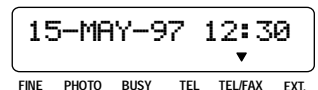


*If your fax machine is set to automatic reception, it will answer any call immediately. A caller then has to pay for the call even though you decide not to answer it. To prevent this you can change to TEL mode.*

### Without ringing, no additional devices possible



Change to TEL/FAX mode with function 31. The corresponding pointer on the display will light up.



Your fax machine detects incoming faxes and receives them automatically. If a fax message is received, you will not hear the telephone ringing.



If the incoming call is a telephone call, you will hear the telephone ring. If you lift the handset, you can talk as usual. If you do not lift the handset, after a number of rings which you can select yourself, the caller will be connected to the fax machine, and has the opportunity to send you a fax message.

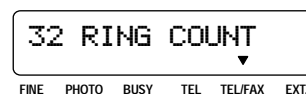
## Setting the number of rings, before your machine switches to fax reception:



Press the FUNCTION key.



Enter function number 32.



Press the OK key.



Use the CURSOR LEFT or CURSOR RIGHT key to select the number of rings on your fax machine before it switches to fax reception.

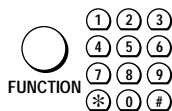


Press the OK key.

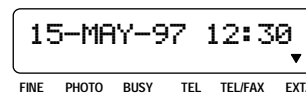


*If the person sending you a fax has an older type of fax machine which does not transmit the usual recognition signals, your fax machine will ring when there is an incoming fax message. Start fax reception by pressing the START key.*

## Automatic reception, additional devices possible



If you have other devices connected to the fax machine, such as telephones, an answering machine or modem, and you wish to use them, switch to EXT. mode with function 31. The corresponding pointer on the display will light up.



When a call comes in, your fax machine and any additional telephone will ring. You can select the number of rings. If you lift the handset of the fax machine or of an additional telephone before the system has finished ringing the selected number of rings, you will be able to take the call as usual.

START  
COPY



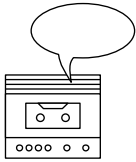
If you lift the handset on your fax machine and hear a fax signal (a whistling tone or silence), press the START key. The fax will then be received.



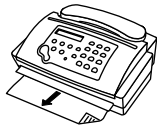
If you answer the call on an additional telephone and recognise a fax signal, you can start the fax reception by pressing (\*) and (5). This code, the so called DTMF code, can be changed (function 33, see below).



*However this will work only if your additional telephone has tone dialling. On many pulse dialling telephones you can precede the code with a (\*) or a (#) to transmit signals in tone dialling mode. Please see your telephone instructions for further information.*



If you have an answering machine connected to the system and you are not taking the call, the caller can leave a message.



If the selected number of rings is elapsed, the fax machine switches automatically to fax reception. A caller who has not left a message on an externally connected answering machine will be transferred to the fax machine.

### Settings for the use with additional devices:



Press the FUNCTION key.



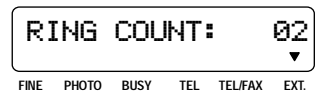
Enter function number 33.



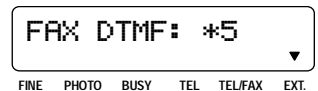
Press the OK key.



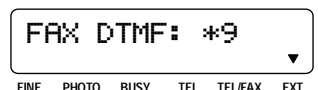
Use the CURSOR LEFT or CURSOR RIGHT key to select the number of rings on the additional device and on the fax machine before the fax machine switches to fax reception. **Make sure the selected number of rings on the additional device (e.g. answering machine) is at least 2 rings less than the one selected on the fax machine.**



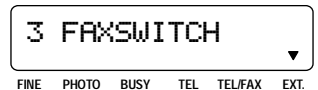
Press the OK key.



The DTMF code is used to start your fax machine from an additional telephone. Only change the predefined code if it is absolutely necessary.



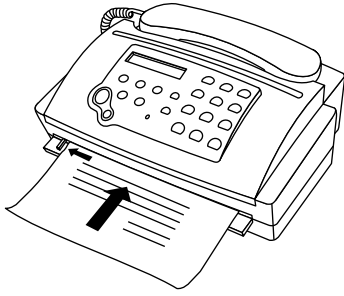
Press the OK key.



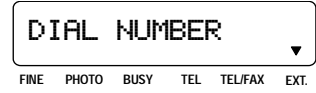
*If your fax machine has difficulty recognising old fax machines not using the usual recognition signals, reduce the number of rings.*

### 3.5 Copying

You can use your fax machine to make thermal paper copies of an original.



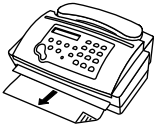
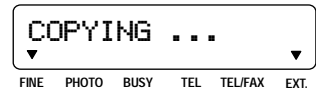
Hold the first page of your document face up.  
Insert it into the paper feed slot as far as it will go.



Pressing the RESOLUTION key before copying, you can choose between FINE and PHOTO resolution.



Press the START/COPY key.



The page will now be fed into the machine. The copy will appear at the front of the machine.



*If you interrupt the copying procedure by pressing STOP, please wait until the document is ejected completely until you tear off the copy.*



*At the end of the copying procedure please wait for about three seconds until the copy is printed out completely. Only then tear of the copy. If you want to copy several pages you can insert them immediately.*



**//**

# ***FUNCTIONS***



## 4 The fax

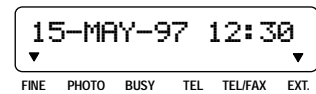
This chapter explains all fax functions provided.

### 4.1 Improved picture quality

Your fax machine normally operates with standard resolution. If you want to transmit detailed drawings or documents with very small print, use the FINE setting. If you want to fax a photograph, select the PHOTO setting. The original will be sent in 16 grey scales.



If you want to increase the resolution, press the RESOLUTION key as often as needed until the desired pointer lights up.



After transmitting or after 40 seconds the fax machine will automatically return to standard resolution.



*Transmissions of documents will take longer in FINE or PHOTO resolution.*



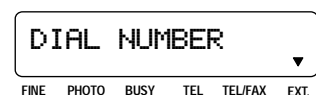
*You can make copies in FINE or PHOTO mode only.*

### 4.2 Sending a fax during a telephone call

You can send a fax at any time during a telephone call, if the other party also has a fax machine connected to his telephone line. During fax transmission the telephone call is interrupted.



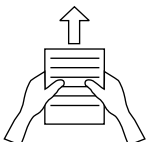
Lift the handset.



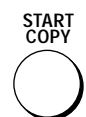
Enter the number you wish to dial.



Now make your telephone call. Tell the other party that you wish to send a fax.



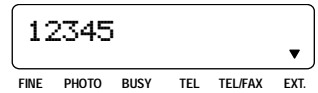
Insert the document and ask him to start fax reception on his fax machine.



Press the START key. The fax will now be sent.



After transmission the display will indicate the telephone number and you can continue your conversation.



You can also insert the document first and then make the connection.

### 4.3 Speaking after fax transmission



Whilst sending a fax, lift the handset. The other party will hear a ringing signal at the end of the fax transmission and will then know that you wish to speak to him.



After a fax transmission the other party may wish to speak to you. In this case you will hear a ringing signal after the transmission.

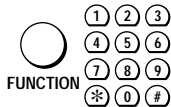


You can lift the handset and speak.



### 4.4 Polling

Polling means that your fax machine can retrieve fax messages which have been prepared for collection from another fax.



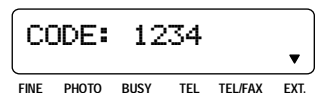
Select function 22.



Press the OK key. You will be asked for an authorisation code which will allow you to collect the document that is waiting.



If the fax machine you are calling has this facility and if the document has in fact been protected against unauthorised access with a code, enter the code and confirm by pressing OK. If you do not need a code, simply press the OK key.



Press the OK key.



Enter the telephone number.





Press the START key.



Polling codes work in accordance with the international ITU standard. However, there are manufacturers who use other processes and whose machines are therefore not compatible.



If polling reception doesn't work with a certain fax number, please try manually. Lift the handset, dial the required number and press START.

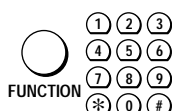
### 4.5 Faxing to sub-addresses

If you want to send faxes to fax databases or if you want to poll from these, some databases have a sub-address which you can add to the telephone number. This will save you money in telephone charges. First enter the telephone number of the database and then press the R key. Then enter the required sub-address. This can be up to 20 digits long and can contain spaces and "+", which are entered by pressing \* or #.

### 4.6 Page header

The header contains your number and your name and is transmitted at the top edge of every page along with the date, time and page number. If you switch off the header, only the date, time and page number are transmitted. If the time is not set properly, e.g. after a power failure, only the page number is transmitted.

You can also choose whether a header appears inside or outside a document. Inside means that the header will overwrite the top 5 mm of your document. Most documents are empty at the top edge, so no information will be lost. However, if you want to send documents which do contain information along the top edge, select the outside position. The recipient will then receive a fax which is slightly longer than your message to compensate for the header.



Select function 16.



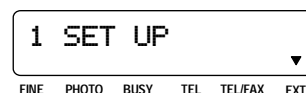
Press the OK key.



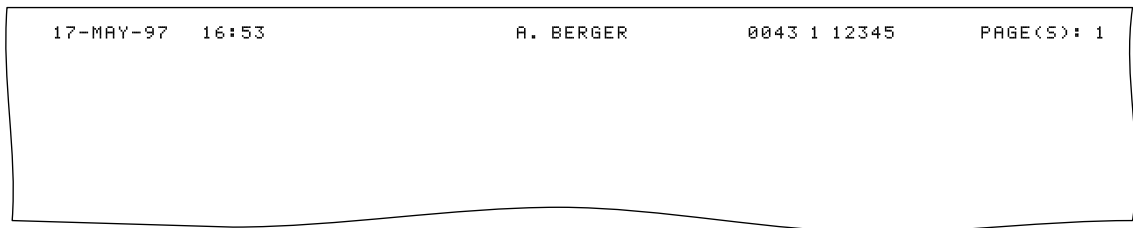
Select using CURSOR LEFT and CURSOR RIGHT key. Then press the OK key.



Select using CURSOR LEFT and CURSOR RIGHT key. Confirm with OK.

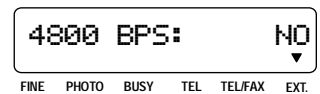
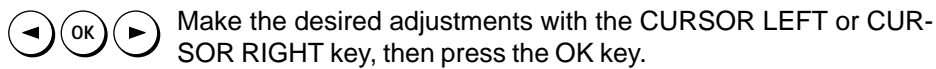
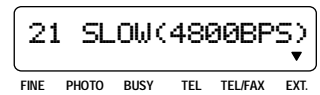


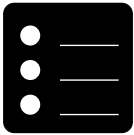
## Example for a page header:



## 4.7 Half-speed transmission

Your fax machine automatically adjusts its transmission speed to the quality of the telephone line. If the line quality is poor, the automatic adjustment will take more time. In case that the poor line quality is already known it is useful to set the machine at a slower speed from the very beginning. This will save time and money.





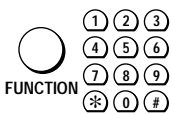
## 5 Additional possibilities

This chapter explains additional possibilities and functions of your fax machine which you might want to use.

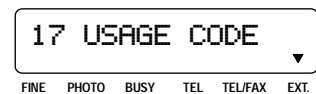
### 5.1 Call restriction - baby-sitter setting

(not available in all countries)

If you wish only authorised people to be able to use your fax machine, enter a usage code. Only those people who know the usage code can use the machine to telephone or transmit faxes. If the function is switched on and you enter the code, the fax machine will be unblocked for 5 minutes.



Select function 17.



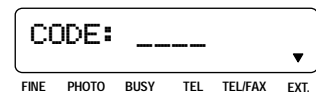
Press the OK key.



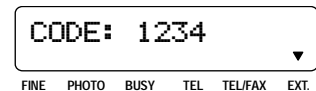
Press the CURSOR LEFT or CURSOR RIGHT key.



Press the OK key.



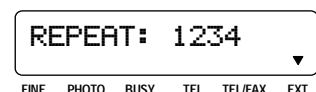
Enter the code. This must be a four digit number.



Press the OK key.



Enter the code again to verify.



Press the OK key.



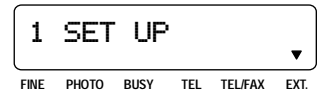
You can select from the following 3 settings using the CURSOR LEFT or CURSOR RIGHT key:

## International calls blocked: INT setting

This setting will block the fax machine for calls outside the country. National calls may still be made.



Close with the OK key.

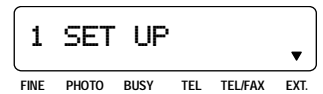
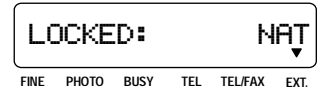


## National calls blocked: NAT setting

This setting will only permit local calls to be made.



Close with the OK key.

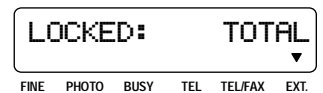


## All calls blocked: TOTAL setting, “baby-sitter setting” (not available in UK)

If TOTAL is selected, no calls can be dialled from your fax machine except for one number which you can programme in.



Confirm your selection by pressing OK. You will then be asked to enter a telephone number of your choice (the so-called baby-sitter number).



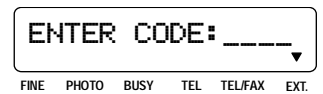
Enter the telephone number of your choice and confirm with the OK key. The following message will then be displayed:



Programming is now completed and you are in baby-sitter mode.



The fax machine is blocked for all telephone numbers until you enter the usage code and press the OK key.



If the handset is nevertheless lifted and any dial key pressed, the fax machine will automatically call the number you have entered (baby-sitter setting).



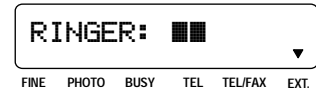
To switch off the call restriction number, choose again function 17 and select: USAGE CODE: OFF

## 5.2 Volume of the ring signal

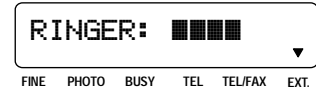
You can adjust the volume of the ring signal, if the machine is in standby mode or if ringing.



Press the CURSOR LEFT or CURSOR RIGHT key. The display shows the current setting for about 3 seconds.



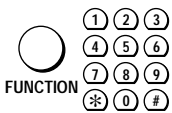
Change the volume by pressing the CURSOR LEFT or CURSOR RIGHT keys until the desired volume is achieved.



## 5.3 Remote diagnostics

(not available in all countries)

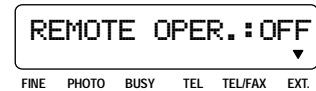
The remote diagnostics function is normally switched off. When it is switched on, our service department can access some of your fax machine's technical data over the telephone line, and can make changes to these if necessary. This is useful in the event of a breakdown and can bring rapid assistance. You will first have to switch the remote diagnostics on. After 24 hours remote diagnostics is automatically blocked again.



Select function 41.



Press the OK key.



Select using the CURSOR LEFT or CURSOR RIGHT key, then press the OK key.



*The remote diagnostics is a very good tool to make changes in the programming of your fax machine. It is however not suitable for making any repairs concerning electrical or mechanical defects.*

## 5.4 Mercury

The two services of Mercury Communications Limited (MCL), the residential 132 and the Pin code service, can be accessed via most existing British Telecom (BT) lines. In case of any doubt ask MCL Customer Assistance (0500 500 194) which one is available at your location.

Before you can use the Mercury button, function 27 must be set according to the service you have access to.

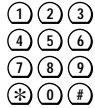
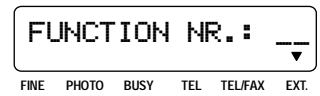


## 5.4.1 Mercury Residential 132

In the factory-setting of your fax the Mercury residential 132 service is activated. If you have changed to Mercury Pin code service please see below how to activate Mercury residential 132 service.



Press the Function key.



Enter function number 27.



Press the OK key.



Press the CURSOR LEFT or CURSOR RIGHT key.



Press the OK key.



## 5.4.2 Mercury Pin Code service

If you have subscribed to the MCL Pin code service, a Mercury pin code will have been sent to you. This code needs to be entered in function 27 after you have selected MERCURY: 131. Without this security code you cannot make use of the MCL Pin code service.



Press the Function key.



Enter function number 27.



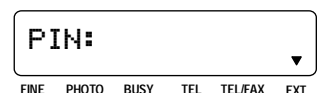
Press the OK key.



Select with the CURSOR LEFT or CURSOR RIGHT key.



Press the OK key.



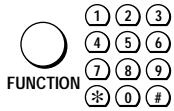
Enter the 10 digit Mercury pin code.



Press the OK key.



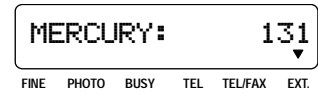
### 5.4.3 Changing the Mercury Pin Code



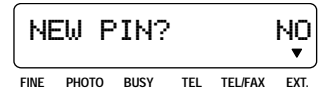
Enter Function 27.



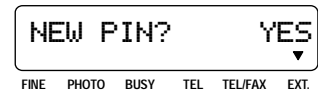
Press the OK key.



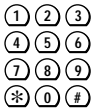
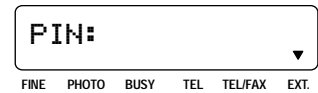
Confirm with OK.



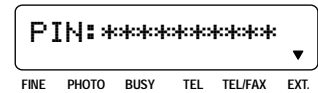
Press the CURSOR LEFT or CURSOR RIGHT key.



Confirm with OK.



Enter the 10 digit Mercury pin code, part I followed by part II.



Press the OK key.

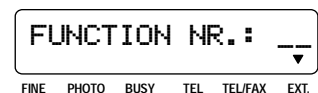


### 5.4.4 Deleting the Mercury Pin Code

To prevent illegal usage of your pin code, it is recommended to delete the code when your machine is sent for repair.



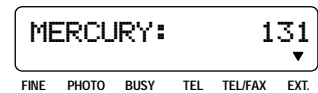
Press the Function key.



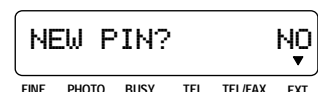
Enter function number 27.



Press the OK key.



Press the OK key.




Press the OK key.



 Press the CURSOR LEFT or CURSOR RIGHT key.



 Confirm with OK.




## 5.4.5 Using Cost Centre Codes


When you apply for access to the MCL service, you have the option to use a cost centre code. This code must be entered after pressing the Mercury key and before the long distance or international telephone number is entered. It identifies the department or person making the phone call.

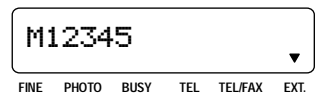
## 5.4.6 Initiating a conversation via MCL service


To initiate a telephone conversation via the MCL service, just enter the Mercury key before you enter the telephone number. When you press the Mercury key, an “M” is displayed and you can enter the desired telephone number.


  
REDIAL/† Press the Mercury key.



 Now enter the desired telephone number.





 Lift the handset.

 *By pressing the Mercury/Redial key several times within 3 seconds you can toggle between the mercury and the redial function.*

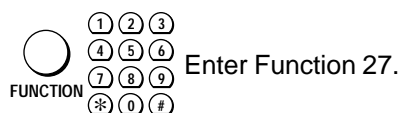
## Operation on an extension of a PABX


If you operate your fax machine on an extension of a PABX and you want to make a dialling pause between the outside line access code and the desired telephone number, do the following:

 Enter the outside line access code.


  
REDIAL/† Press the MERCURY/REDIAL key twice within 3 seconds. This will insert a dialling pause. To confirm the pause, you have to wait at least 3 seconds. Now you can enter the desired telephone number with the Mercury “M” in front as usual.

## 5.4.7 Switching the Mercury function off



 Press the OK key.

 Select using the CURSOR LEFT or CURSOR RIGHT key.

 Confirm with OK.



***III***


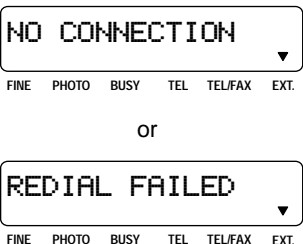


***APPENDIX***




## 6 Troubleshooting

The following table contains an overview of the most frequent operating errors or problems and their possible causes and remedies. Before calling our service desk, please consult this table which has been compiled by our service engineers. In most cases you will be able to solve the problem on your own.

| Errors   | Possible cause  | Remedy   |
|--|---|--|
| <b><i>The faxes are of poor quality</i></b>                                |   |  |
| You or your fax correspondent receive blank pages.                         | The thermal paper is not properly loaded.<br>Your fax correspondent sends the wrong (blank) side of a document.<br>The printer is faulty. | Load the thermal paper correctly.<br>Your fax correspondent must feed the document properly.<br>Test the fax machine by making a copy.<br>Call service if necessary. |
| Faxes are of poor quality.   | The document contains photographs or small print.<br>The document lacks contrast.<br>Your fax machine is faulty.                          | Change the resolution settings (see chapter 4.1).<br>Check the document.<br>Test the fax machine by making a copy.<br>Call service if necessary.                     |
| Your fax or your partner's fax machine produces black lines when printing. | There is paper in the sheet feeder or the scanner is dirty. Your fax machine is faulty.   | Open the operation panel and remove the paper from the document feed slot.<br>Test the fax machine by making a copy.<br>Call the service if necessary.               |

| Errors  | Possible cause  | Remedy  |
|---|---|---|
| <b>Problems when establishing a connection</b>  |   |   |
| <p>You can neither make a telephone call nor send a fax message.</p>  | <p>Wrong dialling mode is set.</p> <p>You are operating in a PABX-environment (private branch exchange) but the setting is incorrect.</p> | <p>Change dialling mode with function 14 (see 2.2).</p> <p>Change in function 14 PABX NO to PABX YES (see 2.5).</p> |
|  <p>TRANSM. ERROR</p> <p>FINE PHOTO BUSY TEL TEL/FAX EXT.</p> <p>ERROR</p> <p>Error report</p>  | <p>The telephone connection was of poor quality.</p> <p>The recipient has a paper jam or has run out of paper.</p>                        | <p>Try again or send the fax at reduced speed (function 21).</p> <p>Call your fax correspondent.</p>                |
|  <p>NO CONNECTION</p> <p>FINE PHOTO BUSY TEL TEL/FAX EXT.</p> <p>or</p> <p>REDIAL FAILED</p> <p>FINE PHOTO BUSY TEL TEL/FAX EXT.</p> | <p>Your fax correspondents line is busy, does not answer or a different device answers.</p>   | <p>Try later or call your fax correspondent by phone to check.</p>  |
|  <p>NO LOOP CURRENT</p> <p>FINE PHOTO BUSY TEL TEL/FAX EXT.</p>  | <p>Your fax machine is not properly installed or not properly plugged in.</p>   | <p>Check the installation of your fax machine.</p>  |
|  <p>NO DIALTONE</p> <p>FINE PHOTO BUSY TEL TEL/FAX EXT.</p>  | <p>You are connected to a PABX system.</p>  | <p>Check the settings in function 14.</p>   |

| Errors   | Possible cause   | Remedy   |
|--|--|--|
| <b>Other</b>   |  |  |
| Copy is blank.   | Document was not inserted properly.<br><br>Thermal paper was not loaded properly.  | Put in the document face up.<br><br>Insert the thermal paper according to the instructions given in chapter 2.6.   |
| Other devices ring only once.  | Your fax is not set to operate with other devices.   | Change with function 31 to operating mode EXT.   |
| Your fax machine is ringing when receiving a fax.  | Your fax is not set correctly.<br><br>The sending device does not send the usual recognition signals (e.g. old fax machines or certain computer-modems). | Change with function 31 to TEL/FAX mode.<br><br>Without these recognition signals automatic reception without ringing is not possible.   |
| You lift the handset of an additional telephone and hear ring signals.                                       | Your additional phone is connected in parallel.  | Switch to EXT. - mode with function 31.  |
| <br>cannot be switched off. | Date and time have not been entered or have been deleted.  | Re-enter (function 11).  |
| The printed documents do not protrude correctly from the front of the machine.                               | There is a thermal paper jam at the paper outlet on the underside of the machine.  | Press the STOP key for three seconds. Pull out the crumpled paper carefully from the front of the machine. In case you cannot remove the paper-jam: Lift up the operation panel and the inner paper cover. Remove the jammed paper. Insert the paper once again. Close the machine and press STOP to press the thermal paper against the internal transport roll.<br>(Refer to chapter 2.6). |



*If you cannot rectify a fault using the instructions provided, please disconnect from the mains. Wait at least ten seconds and reconnect.*





## 7 Interesting facts

In this chapter you will find important information for safe operation, an overview of the technical specification and the index.

### 7.1 Important information for safe operation

**Battery:** Inside the fax machine there is a lithium battery which backs up the power for the data memory (storing your name, telephone number and selected options). The battery should last at least five years. This battery may only be replaced by an authorised service engineer. Incorrect handling can cause serious damage to your fax machine. When disposing of the fax machine care should be taken with the lithium battery.

**Lightning protection:** To protect your machine from possible damage, we recommend to disconnect the machine from the mains and from the telephone line during thunder storms.

**Connecting your machine to the telephone line:** Please note that the machine is only suitable for connection to telephone networks complying with EN41003.

**In the event of damage:** In case of any damage caused to housing in particular to power cables please remove the mains plug and call your service repair centre. The housing of your fax machine may only be opened by authorised service personnel.

**Suppression:** We hereby certify that the fax machine complies with EN 55022 VDE 0878 Part 1 Class B interference suppression.



*If the display breaks, a mildly corrosive liquid may leak out. Avoid contact with skin and eyes.*



*The fax machine has been built exclusively for operation in the country of purchase.*



*In the event of a power failure, you can no longer operate the fax facility. If switched on again you have to re-enter the current time.*



*When copying or sending fax messages or during a long telephone conversation on an external telephone, the receiver on the fax machine may become slightly warm. This is normal as the machine will not be in standby and will be consuming more energy.*



*For optimum picture quality, we recommend High Sensitive Universal or Super High Sensitive thermal paper.*

## 7.2 Technical specification

|                        |  |
|------------------------|--|
| Compatibility          | ITU Group 3  |
| Type of connection     | external line / extension  |
| Size of document       | width: 148 - 217 mm<br>length: 105 - 600 mm<br>thickness: 0.05 - 0.15 mm                   |
| Largest scanning width | 216 ± 1 mm   |
| Resolution             | horizontal: 8 points/mm (200 dpi)<br>vertical: standard 3.85 line/mm<br>fine 7.7 line/mm   |
| Photo mode             | 16 grey tones  |
| Copying                | fine and photo resolution  |
| Transmission duration  | 20 sec (9600 bps, standard resolution for an ITU No. 1 test sheet, protocol time excluded) |
| Data compression       | MH, MR   |
| Modulation             | V29, V27ter, V21   |
| Transmission speeds    | 9600/7200/4800/2400bps   |
| Sound power level      | stand by mode: 20 dBA  |
| copy mode:             | 40 ± 2 dBA according to ISO 7779   |
| Printing method        | thermal paper printer  |
| Thermal paper          | 210/216 mm x 30 m roll   |
| Document feed          | 1 sheet  |
| White balance          | automatic  |
| Fax switch             | TEL/FAX/EXT.   |
| Contrast control       | automatic  |
| Dimensions             | 275 x 210 x 108 mm   |
| Weight                 | 2 kg   |
| Power consumption      | stand by: 2W<br>transmission (of standard letter): 18W                                     |
| Power supply           | 230V/50Hz  |

## 7.3 Customer information

For any further questions please contact our Customer Information Centre. You will find the address and telephone number in the guarantee booklet packed with the machine.

## 7.4 Glossary

|   |  |
|---|--|
| <i>additional device, additional telephone</i>                      | You can operate your fax machine together with additional devices such as telephones, an answering machine etc. on one single telephone line. In order to avoid interference you have to enter some settings.  |
| <i>document</i>   | The written note you want to send by fax to another party.   |
| <i>DTMF</i>   | Short for: <i>Dual Tone Multiple Frequency</i> .<br>With this signal you can start fax reception from an additional telephone which has tone dialling.   |
| <i>fax paper</i>  | Special paper, which turns black by heating it.  |
| <i>fax switch, automatic and manual receive</i>                     | The fax switch analyses incoming calls and detects whether it is a normal call or a fax call. If you have chosen automatic receive a fax will be received automatically and silently. If you have chosen manual receive, the fax switch is not operating and faxes can only be received by pressing START. |
| <i>home telephone system (HTS)</i>                                  | Many private households have installed a home telephone system. Such a system offers the possibility of internal communication but operates on only one single telephone line.   |
| <i>polling</i>  | You can collect documents which have been prepared for collection at a remote fax machine.   |
| <i>private branch exchange (PABX),<br/>outside line access code</i> | Private branch exchange systems are common in all bigger enterprises. They provide a kind of internal telephone net. In order to connect to the public net you have to dial an outside line access code.   |
| <i>pulse dialling</i>   | The old dialling mode is pulse dialling. To every number key a specific number of pulses is assigned.  |
| <i>sender identification</i>  | On nearly any fax machine the name and the number of the user can be entered. This so called sender identification will be printed on the fax receipt and will also appear on the display of the fax partners' machine.  |
| <i>thermal paper</i>  | See fax paper.   |
| <i>tone dialling</i>  | Tone dialling is the modern dialling mode. To every number key a different tone is assigned.   |

## 7.5 Index

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UK

5103 506 1481.1



The CE mark confirms that the machine corresponds to the relevant guidelines of the European Union.

This operation manual has been printed on chlorine-free, recycled paper, in line with the highest standards of environmental friendliness.

Technical changes and errors excepted.

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