

# **KM-3650w**

## **Copy/Scan Operation Manual**

**NOTE:** This Operation Manual contains information that corresponds to using both the metric and inch versions of these machines.

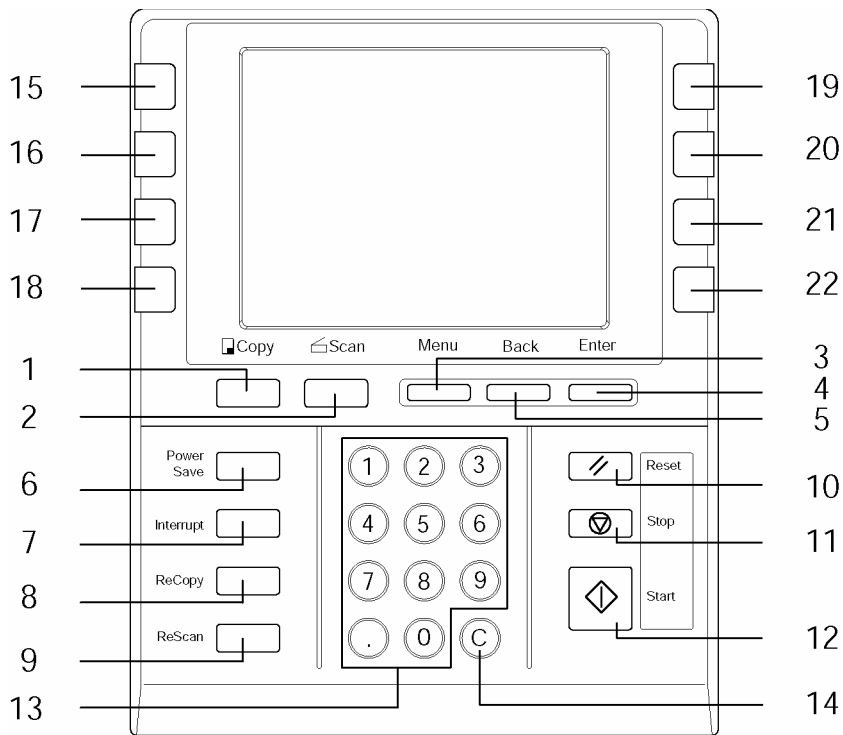
The metric versions of these machines are shown in the screens in this Manual. If you are using the

inch version, use the messages provided for the metric version as reference only. In the body text, only the metric messages are given if these versions differ only in capitalization. When there is even a slight difference in the message, we have listed the information for the metric version followed, in brackets, by the corresponding information for the inch version.

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# 1. Appearance



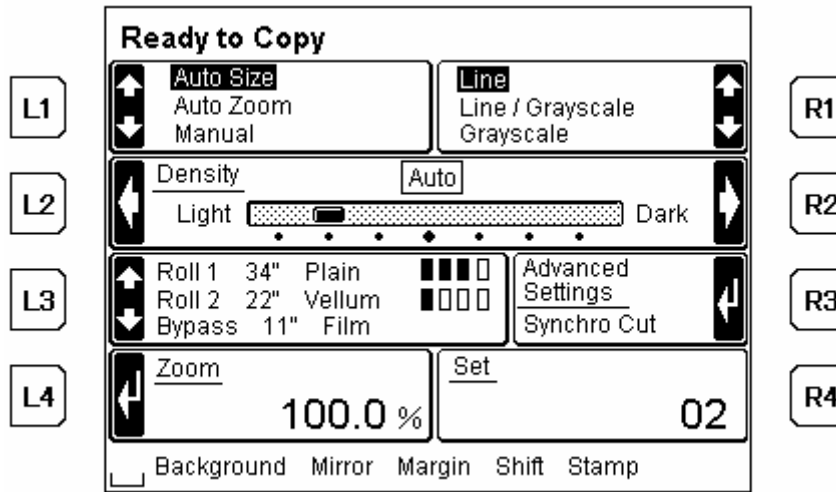
- 1 **Copy Key**
- 2 **Scan Key**
- 3 **Menu Key**
- 4 **Enter Key**
- 5 **Back Key**
- 6 **Power Save Key**
- 7 **Interrupt Key**
- 8 **ReCopy Key**
- 9 **ReScan Key**
- 10 **Reset Key**
- 11 **Stop Key**
- 12 **Start Key**
- 13 Numeric Keys
- 14 **Clear Key**
- 15 **L1 Key**
- 16 **L2 Key**
- 17 **L3 Key**
- 18 **L4 Key**
- 19 **R1 key**
- 20 **R2 Key**
- 21 **R3 Key**
- 22 **R4 Key**

Bolded words mean the key names throughout this manual.

## 2. Key Functions

### 2.1 Copy key

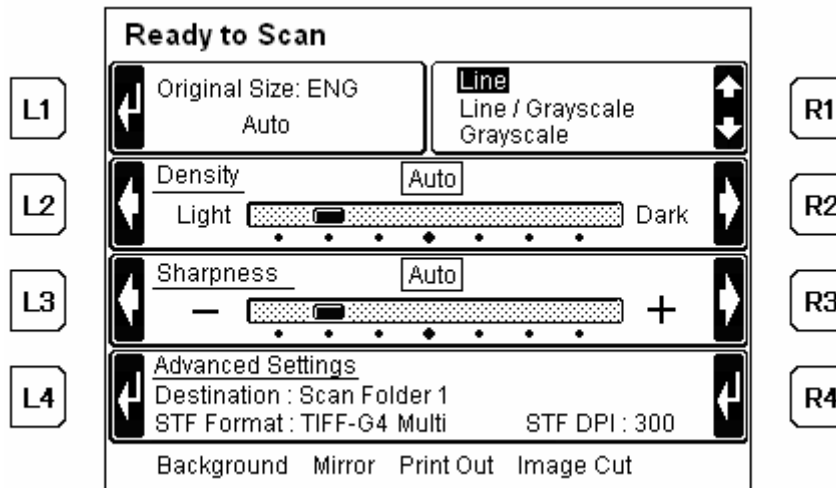
Press the **Copy** key to make a copy.



Copy Mode Screen is launched directly with **Copy** Key.  
**Copy** Key cannot be effective during scanning.

### 2.2 Scan Key

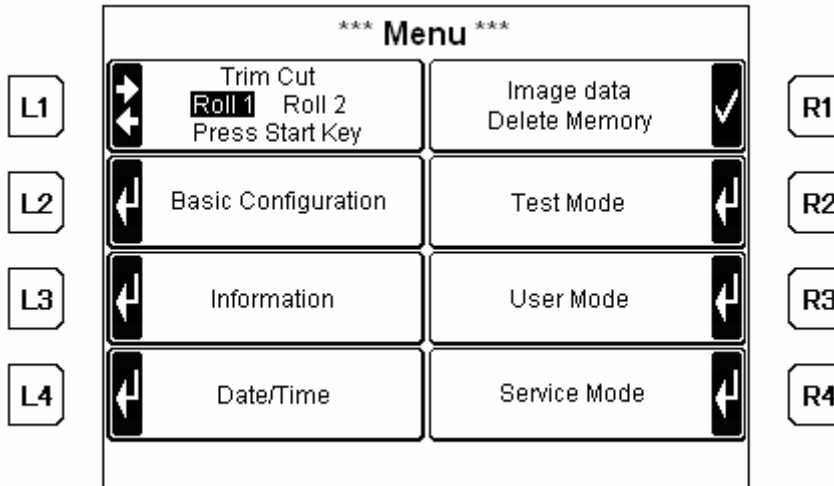
Press the **Scan** Key to scan originals for a data file.



Scan Mode Screen is launched directly with **Scan** Key.  
**Scan** Key cannot be effective during copying.

## 2.3 Menu Key

Press the **Menu** Key to enter Menu Mode.



Menu Mode Screen is launched directly with **Menu** Key.  
**Menu** Key cannot be effective during copying or scanning.

## 2.4 Enter Key

Press the **Enter** Key to apply the changes.  
On launching any other screens without **Enter** Key, the change is ignored and the previous setting is recovered.  
The changes in Copy/Scan Mode Screen are effective directly without **Enter** Key.  
**Enter** Key is also used to accept the instruction such as error information.

## 2.5 Back Key

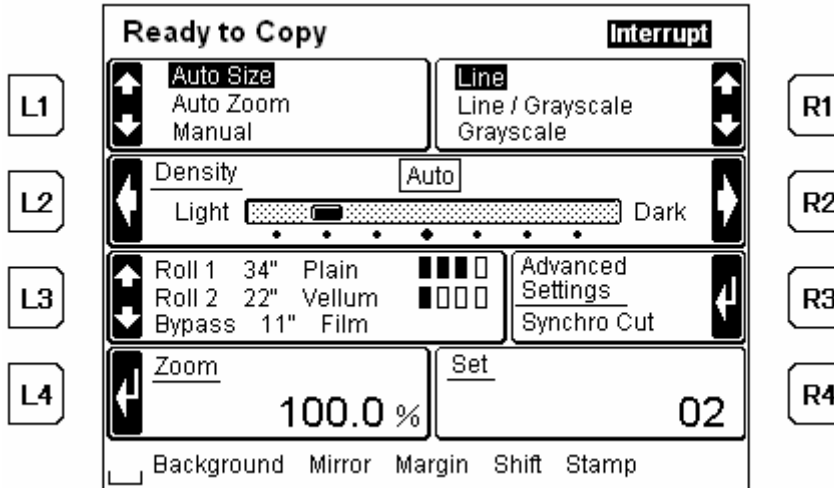
Press the **Back** Key to display the proceeding step of each configuration screen.  
The changes are cancelled by pressing **Back** Key before these are applied with **Enter** Key.  
**Back** Key is not available in Copy Mode, Scan Mode and Menu Mode.

## 2.6 Power Save Key

Press the **Power Save** Key to start Power Save Mode.  
Press any key to cancel Power Save Mode.  
(Power Save Mode is also cancelled by originals inserted to the scanner, or at the client's output request.)  
**Power Save** Key cannot be effective during copying, scanning or printing.

## 2.7 Interrupt Key

Press the **Interrupt** Key to pause the current copy for an urgent copy.



The sign “Interrupt” is indicated in the upper right of the screen under Interrupt Mode.

**Interrupt** Key is used in Copy Mode except during printing a set copy.

**Copy** Key and **ReCopy** Key are available in Interrupt Mode.

Press the **Interrupt** Key again to cancel Interrupt Mode.

Interrupt Mode is not cancelled when finished copying automatically.

On canceling Interrupt Mode, the changes in Interrupt Mode are cancelled and the paused jobs are carried out.


## 2.8 ReCopy Key

Press the **ReCopy** Key to make a copy of the previous copy/set copy job.

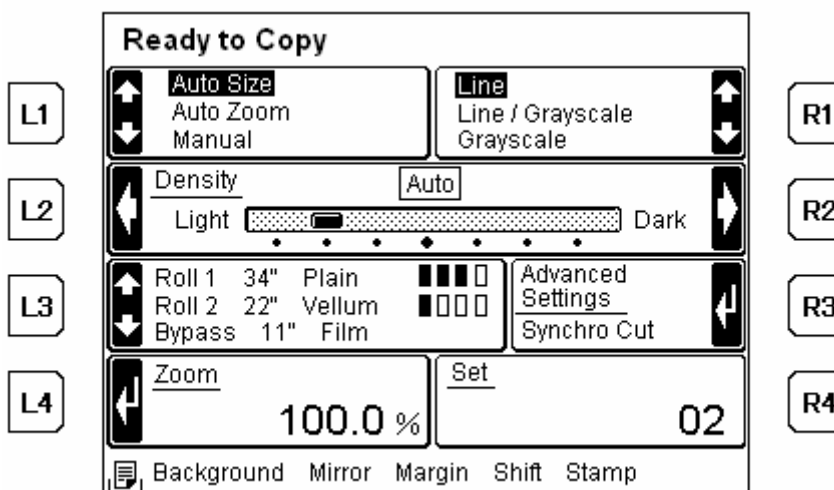
**ReCopy** Key cannot be effective during printing.

Recopy is disabled in case no image exists for recopy

Recopy is disabled, or requires a password entry with Recopy setting in Basic Configuration.

 is indicated on the bottom left when recopy is available.

is indicated when no recopy data exists or when recopy is not allowed.



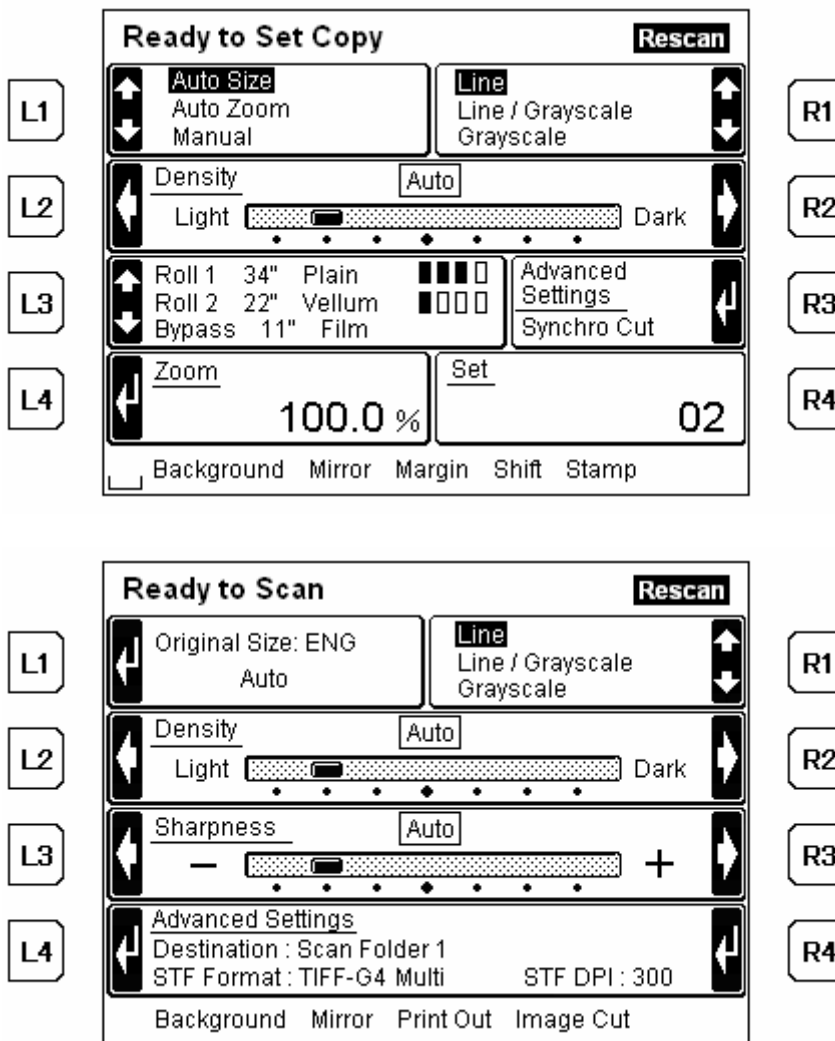
Recopy permits to change the following settings.

- Zoom
- Paper Media
- Copy Count

Set copy only permits to change the set copy count.

## 2.9 ReScan Key

Press the **ReScan** Key to replace the previous scan image with a new one.



The sign "Rescan" is indicated in the upper right of the screen under Rescan Mode. Rescan is use of if the wrong original is read, or if the scanner carries originals on the skew. Rescan can be effective only in Copy Mode with set copy and Scan Mode. Rescan is disabled in case no image exists for Rescan. Rescan is disabled in case of changing the destination to be saved.

Rescan Mode is cancelled when finished scanning the original. Pressing the **ReScan** Key again is another measure to cancel Rescan Mode.

## 2.10 Reset Key

Press the **Reset** Key to initialize the settings in the current screen and delete images for Recopy.

Acquired image files in the scan folders are not deleted with **Reset**.

Reset cannot be effective during copying or scanning.

The following settings do not change even if you press the **Reset** Key.

- Paper Width/Media settings
- Calibrate Mag. settings

## 2.11 Stop Key

**Stop** Key is only available during printing or scanning.

Press the **Stop** Key to cancel the current printing, eject the paper and delete the job concerned.

Press and hold **Stop** Key for 3 seconds or more to cancel the current printing, eject the paper, delete all the jobs in queue and delete images for Recopy.

Press the **Stop** Key to cancel the current scanning and stop carrying the original. (You should remove it by hand with the upper scanner unit open.)

## 2.12 Start Key

Press the **Start** Key each time to start copy/scan when Auto Start is "OFF".

Press the **Start** Key to start a set copy.

## 2.13 Numeric Keys

The Numeric Keys are used to enter numeric data such as set copy count or magnification value.

## 2.14 Clear Key

Press the **Clear** Key to ignore the changes and recover the default setting.

## 2.15 L1, L2, L3, L4, R1, R2, R3 and R4

**L1, L2, L3, L4, R1, R2, R3** and **R4** keys are used to operate the assigned functions with the signs beside the respective keys and indicated in the screen.



- used to choose the left item.
- allows the cursor to slide left.
- used to decrease the value.



- used to choose the right item.
- allows the cursor to slide right.
- used to increase the value.



- allows the cursor to move right in rotation.



- allows the cursor to move down in rotation.



- used to enter the next step.



- used to apply the setting.
- used to execute the indicated operation.



- used in Custom Magnification Configuration.

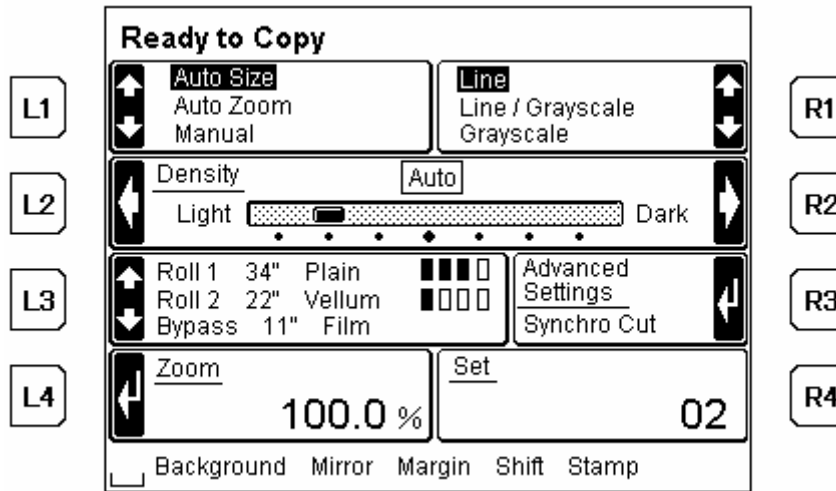


- used to enter a password.  
- used in Custom Magnification Configuration.

### 3. Copy

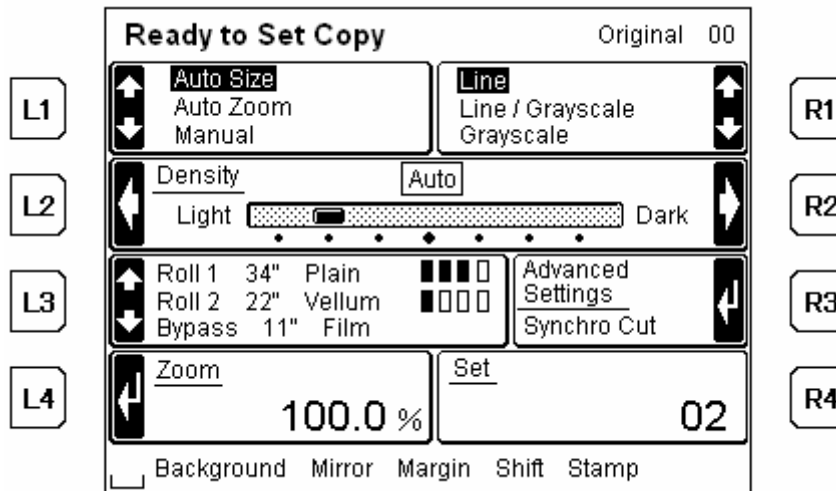
#### 3.1 Copy Mode Screen

The picture below is the basic Copy Mode Screen to make a copy. Make sure that “Ready to Copy” is indicated in the upper left of the screen before copy. Originals can be carried to the scanner only when Copy/Scan Mode Screen is displayed.



Make sure that “Ready to Set Copy” is indicated in the upper left of the screen before set copy.

How to launch or cancel “Ready to Set Copy” is described later.



After reading the first page of the original, “Ready to Set Copy” and “Press Start to start printing” are indicated by turns.

The number of the scan originals is indicated in upper right of the screen.

The other settings you should check before copy are as following.

- Size
- Image Type
- Density
- Cut Mode
- Zoom

The above settings are described later.

## 3.2 Copy Operation

### 3.2.1 Basic Copy

Place originals facing up on the Original Table.

Insert originals when KM-3650w is ready to copy.

(Available to read originals if KM-3650w is warming up, the printing will start after getting ready.)

KM-3650w starts printing when finished reading whole the reading area of the original.

Press the **Start** Key is required each time to start reading originals when "Auto Start" is "OFF".

The default Auto Start time is 1.5 seconds. It is changeable at your option.

The number of copy count covers 1 to 99.

### 3.2.2 Set Copy

A set copy is a copy composed of several pages.

A set copy can contain up to 99 of pages.

The number of set copy count covers up to 99.

Press the **Start** Key to start printing when finished reading all the originals.

(Any original inserted to the scanner can prevent KM-3650w from starting printing.)

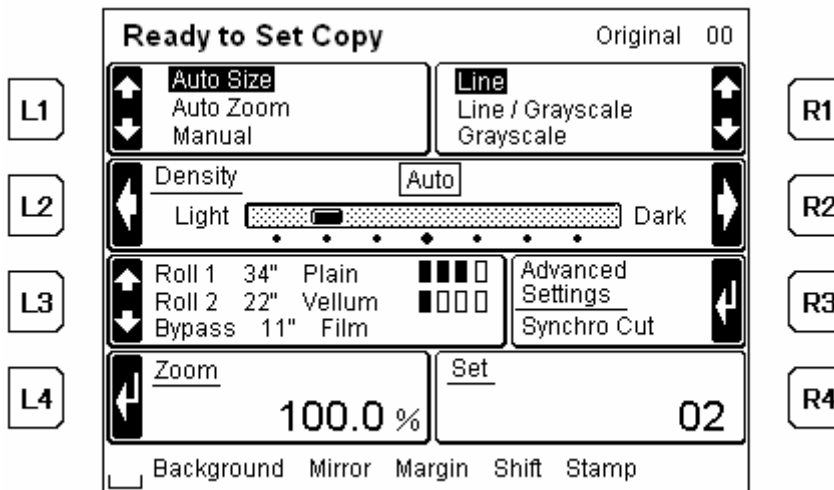
You should wait for the completion of the current printing to make another set copy.

You can choose between two sort orders for set copy in Advanced Settings.

(a) Sort Mode: 1, 2, 3 → 123, 123, 123

(b) Sort Mode: 1, 2, 3 → 111, 222, 333

How to make a set copy and choose Sort Mode is described later.



The number of originals you have read for Set Copy is indicated in the upper right of the screen.

After reading the first page of the original, "Ready to Set Copy" and "Press Start to start printing" are indicated by turns. Press the **Start** Key to start printing.

(Any original inserted to the scanner can prevent KM-3650w from starting printing.)

To cancel the current reading and printing set copy, follow the process below.

1. Press the **R3** Key to enter Advanced Settings.
2. Press the **L4** or **R4** Key to enter Advanced Settings (3).
3. Press the **L2** Key repeatedly for "OFF".

Pressing the **Reset** Key is another measure to cancel the current reading or printing a set copy.

If cancelled, the scan images for set copy are deleted.

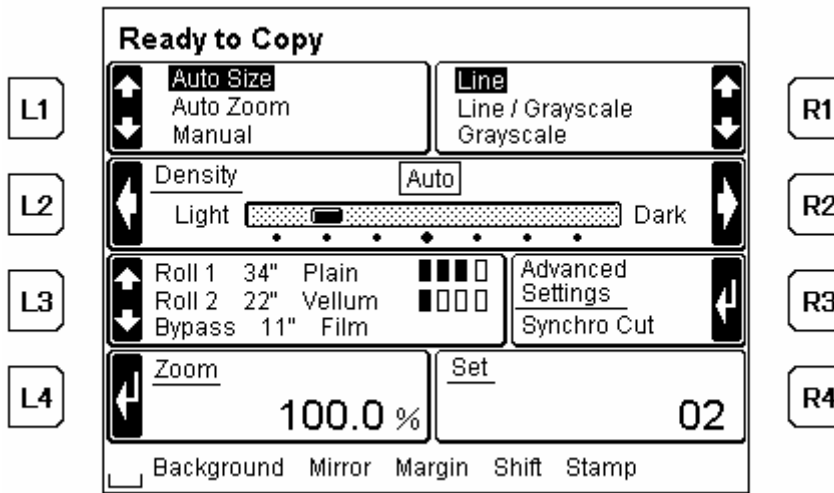
Start for Recopy is only available in case scan images exists for a set copy.  
Scan images just before a buffer overflow will be stored.

### 3.3 Copy Settings

#### 3.3.1 Size

The following settings in image printing size are provided.

- Auto Size
- Auto Zoom
- Manual

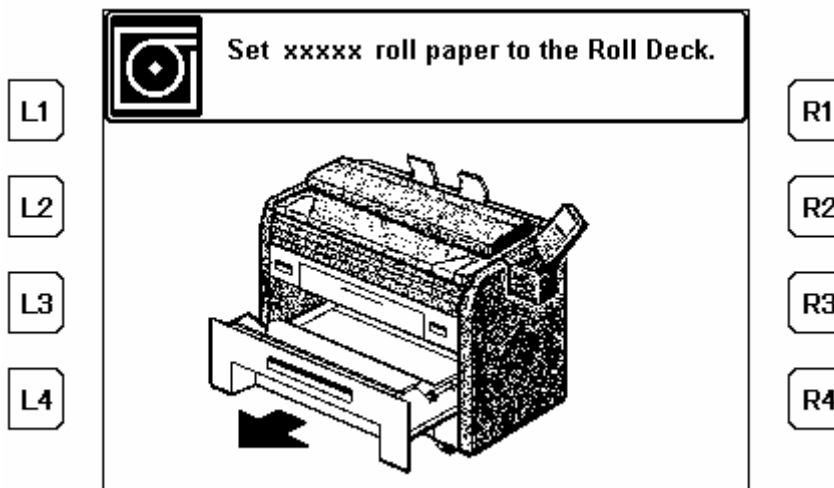


##### 3.3.1.1 Auto Size

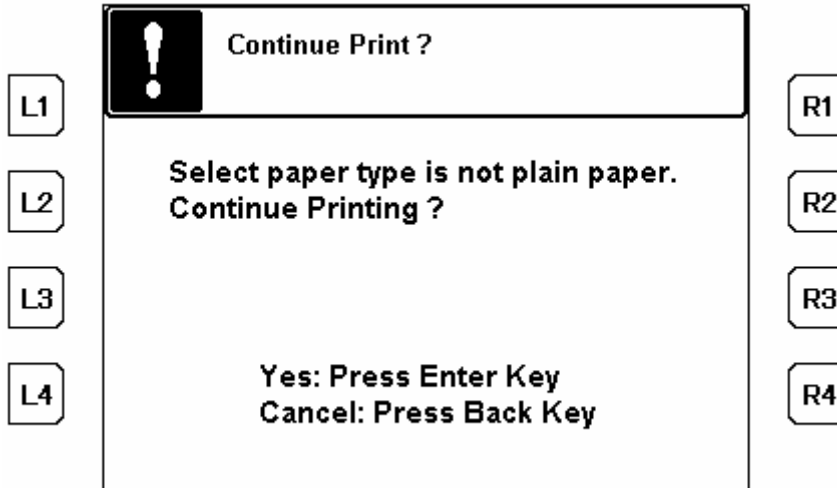
Considering both the original size and the magnification, a suitable paper which fits the image is automatically specified. In such, the image may be rotated on a print so as to fit the paper.

To apply "Auto Size", press the **L1** Key repeatedly for "Auto Size".

The message shown below appears if a given paper size is smaller than the image. Install a suitable paper for the image size.



The message shown below appears in case the media type setting is Vellum or Film.



When selected "Auto Size", it is impossible to select any media source of "Roll 1", "Roll 2" and "Bypass".

### 3.3.1.2 Auto Zoom

A proper zoom ratio is automatically selected, considering the width of the original and media, which fits the image to the media width,

To apply "Auto Zoom", press the **L1** Key repeatedly for "Auto Zoom".

### 3.3.1.3 Manual

"Manual" enables an image to be printed on a given media source of "Roll 1", "Roll 2" and "Bypass" at discretion manually.

Copying is carried out if the image is larger than the media, in such part of the image may be lost.

To apply "Manual", press the **L1** Key repeatedly for "Manual".

### 3.3.2 Image Type

The following settings are provided for the original image type.

"Line" is suitable for simple line originals.

"Line/Grayscale" is suitable for originals which include lines and areas of shade together.

"Grayscale" is suitable for photographic originals and areas of shade originals.

Press the **R1** key repeatedly for a proper image type.

### 3.3.3 Density

Images are printed at an appropriate density on "Auto".

Press the **L2** Key to lighten or **R2** Key to darken the image manually.

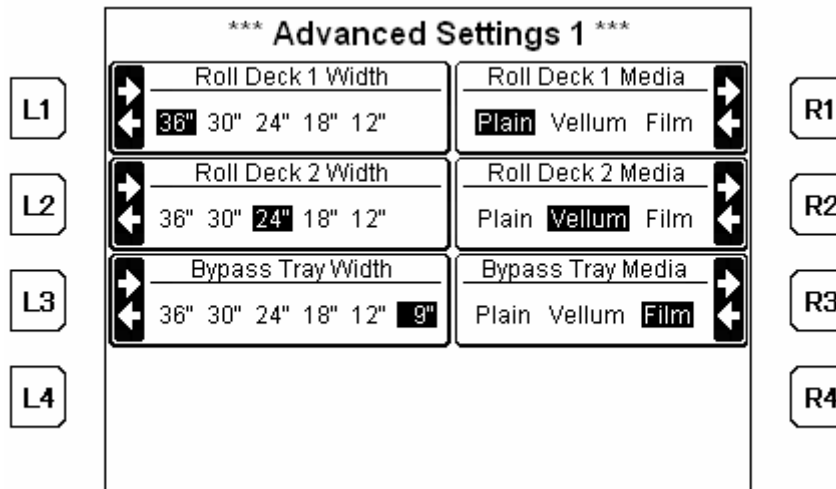
### 3.3.4 Media Source

Images are printed on a specified media source of "Roll 1", "Roll 2" and "Bypass".

Press the **L3** Key repeatedly for a proper media source.

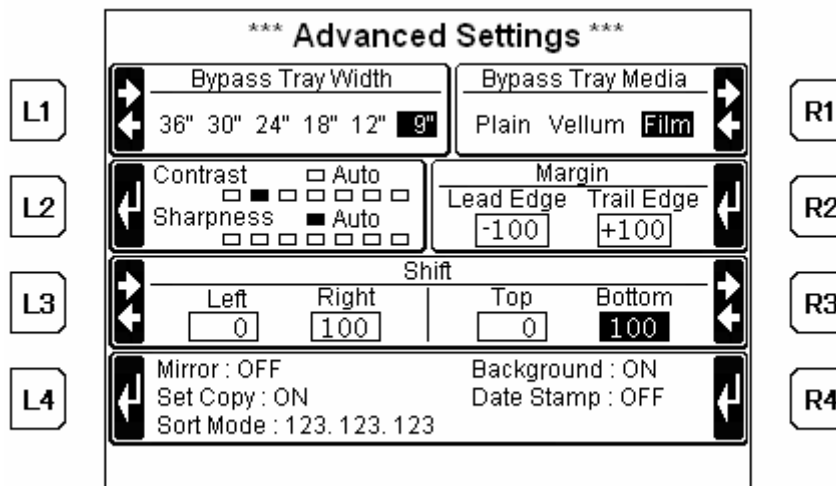
Media Source settings cannot be effective when Size is “Auto Size”. Both the media width and type are displayed for each media source. The thickness level for “Roll 1” and “Roll 2” are displayed respectively. Each media type and width can be specified in Advanced Settings (1).

How to launch Advanced Settings (1) is described later.



Note:

The other setting screen shown below is displayed when Media Source is “Manual”.



Advanced Settings (1) appears automatically if the Roll Deck or the Bypass Feeder is opened.

KM-3650w does not start printing when the Roll Deck is open.

Press the **Enter** Key to apply the setting.

Press the **Copy** Key to go back to Copy Mode Screen.

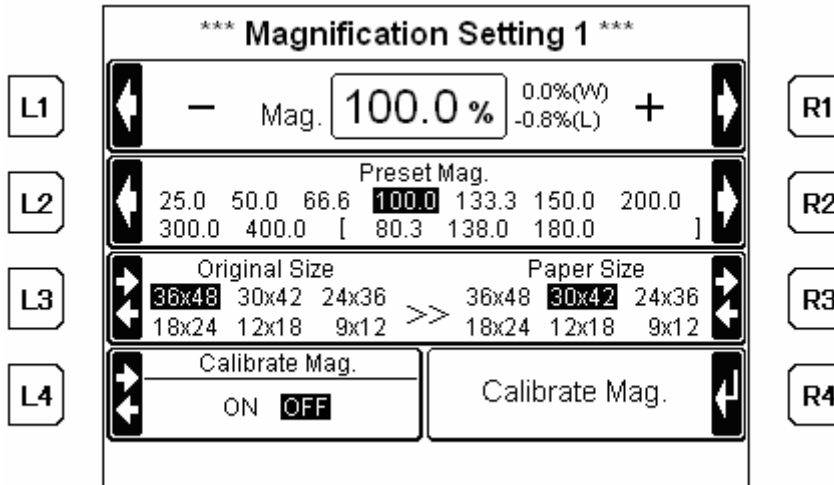
### 3.3.5 Zoom

The following settings are provided to reduce/enlarge the image.

- Manual
- Preset Zoom
- Paper Size Zoom
- Width and Length Separate Zoom

Press the **L4** Key to adjust the magnification.

The magnification adjustment covers 25.0 to 400.0 percent in increments of 0.1 percent.



How to adjust the magnification is described later.

Press the **Enter** Key to apply the setting.

#### 3.3.5.1 Manual

To specify the magnification manually, use the numeric keys to enter the value directly. Press the **L1** Key to decrease the value, press the **R1** Key to increase.

Press the **Enter** Key to apply the setting.

#### 3.3.5.2 Preset Zoom

To specify the magnification with the preset zoom, press the **R2** Key or **L2** Key repeatedly and select a proper magnification.

The following preset zoom settings are provided.

DIN: 25.0, 35.3, 50.0, 70.6, 100.0, 141.4, 200.0, 282.8, 400.0  
ENG: 25.0, 50.0, 64.7, 100.0, 129.4, 154.5, 200.0, 300.0, 400.0  
ARCH: 25.0, 50.0, 66.6, 100.0, 133.3, 150.0, 200.0, 300.0, 400.0

Four Custom Magnification for preset zoom can be registered, which are displayed in brackets [ ].

How to define them is described later.

Press the **Enter** Key to apply the setting.

### 3.3.5.3 Paper Size Zoom

Specifying both the original size and the paper size enables KM-3650w to apply an appropriate magnification.

Press the **L3** Key repeatedly for the original size, **R3** Key for the paper size.

The following page size definitions are provided.

DIN: 36x48, A0, A1, A2, A3, A4

ENG: 36x48, 34x44, 22x34, 17x22, 11x17, 8.5x11

ARCH: 36x48, 30x42, 24x36, 18x24, 12x18, 9x12

Press the **Enter** Key to apply the setting.

Some of the Paper Size Zoom setting combinations are out the range of the magnification adjustment.

Magnification is automatically corrected to 25.0% for the following combinations.

Original size	Paper size	Actual magnification
36x48	→ 8.5x11	23 percent
36x48	→ A4	23 percent

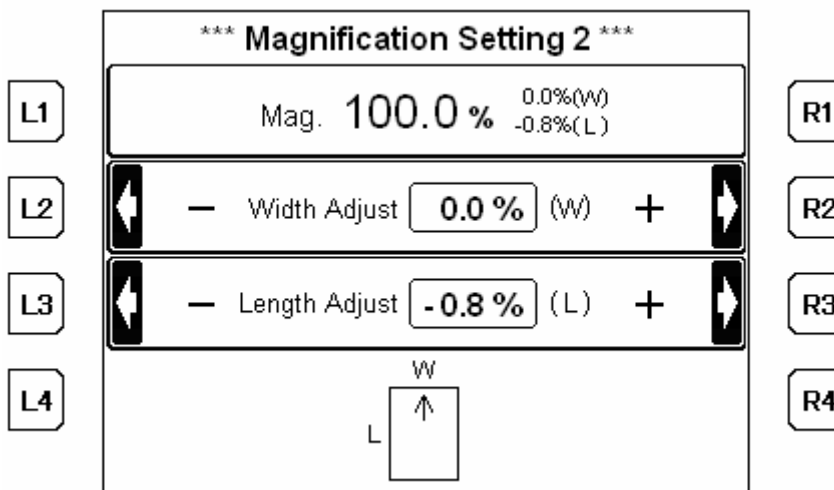
Magnification is automatically corrected to 400.0% for the following combinations.

Original size	Paper size	Actual magnification
8.5x11	→ 36x48	436 percent
A4	→ 36x48	435 percent

### 3.3.5.4 Calibrate Mag.

The vertical (length) zoom and horizontal (width) zoom can be specified separately. Press the **L4** Key for "ON", and then press the **Enter** Key.

Press the **R4** Key to enter Magnification Settings (2).



Width and length adjustment covers from - 5.0 to + 5.0 percent in increments of 0.1 percent.

Press the **R2** Key to increase the horizontal zoom, **L2** Key to decrease.

Press the **R3** Key to increase the vertical zoom, **L3** Key to decrease.

Press the **Enter** Key to apply the setting.

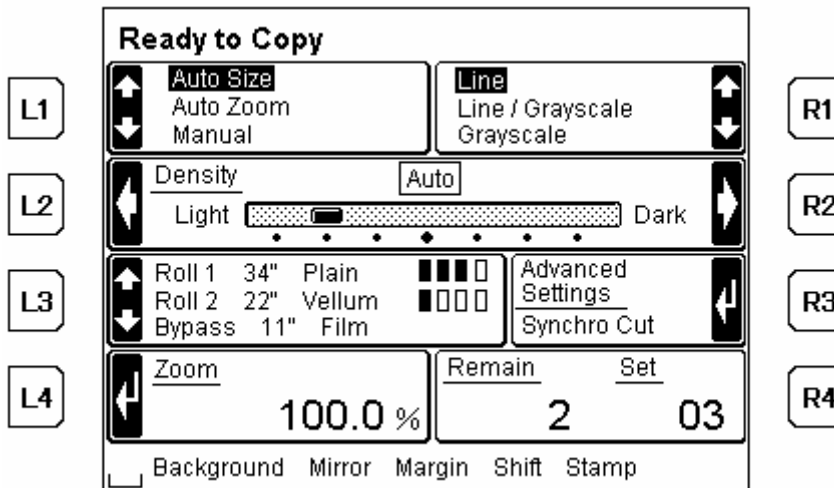
### 3.3.6 Set (Copy Count or Set Copy Count)

Enter the number of copy count or set copy count with the numeric keys directly.  
Press the **Clear Key** to ignore the change and set the number to "1".

"Remain" is displayed to the right of "Set" during printing out of copy.

It shows how many copies have not been finished yet.

"Remain" is also displayed in the Set Copy. It shows the total number of copies ("original number" x "set number") that have not been finished yet.

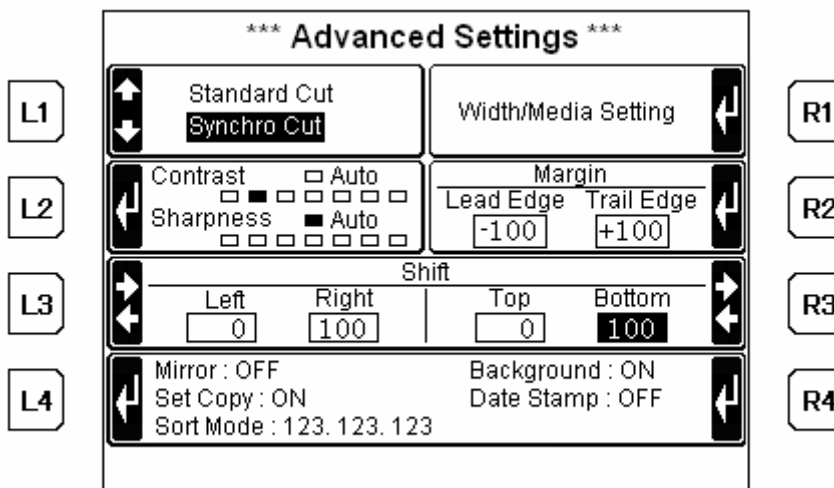


### 3.3.7 Advanced settings

Press the **R3 Key** to enter Advanced Settings.

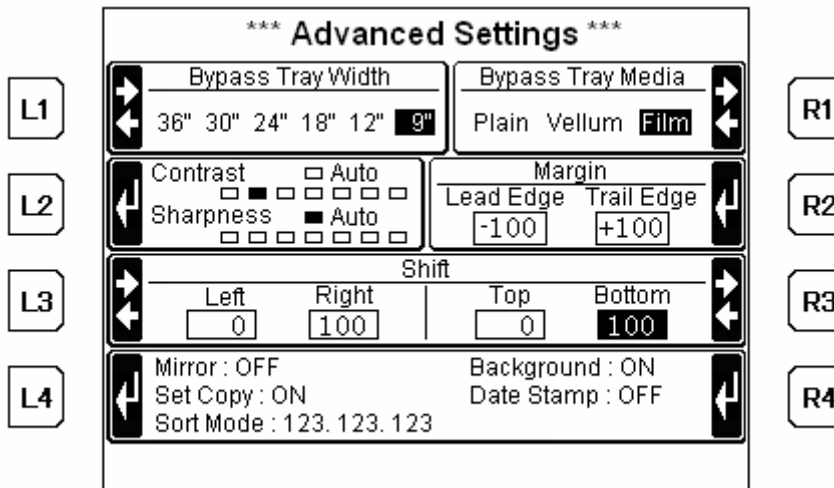
The following settings are provided in Advanced Settings.

- Cut Mode
- Width/Media Setting
- Contrast
- Sharpness
- Margin-Leading edge
- Margin-Trailing edge
- Image Shift
- Mirror
- Background
- Date Stamp
- Set Copy
- Sort Mode



Note:

The other setting screen shown below is displayed when Media Source is “Manual”. “Cut Mode” and “Width/Media Setting” will be replaced with “Bypass Tray Width” and “Bypass Tray Media”.



### 3.3.7.1 Cut Mode

“Standard Cut” enables the roll paper to be cut in a given standard size.

“Synchro Cut” enables the roll paper to be cut in an appropriate size to fit the image length. Press the **L1** Key repeatedly for either of them.

Press the **Enter** Key to apply the setting.

### 3.3.7.2 Paper Width/Media Setting

To specify the media width and type, press the **R1** Key to enter Width/Media Setting.

For “Roll Deck 1”, press the **L1** Key repeatedly for the media width, press **R1** Key for media type.

For “Roll Deck 2”, press the **L2** Key repeatedly for the media width, press **R2** Key for media type.

For “Bypass Tray”, press the **L3** Key repeatedly for the media width, press **R3** Key the media type.

The following Media Width settings can be specified for roll papers.

DIN: 36”, A0, A1, A2, A3

ENG: 36”, 34”, 22”, 17”, 11”

ARCH: 36”, 30”, 24”, 18”, 12”

The following Media Width settings for “Bypass Tray” are provided.

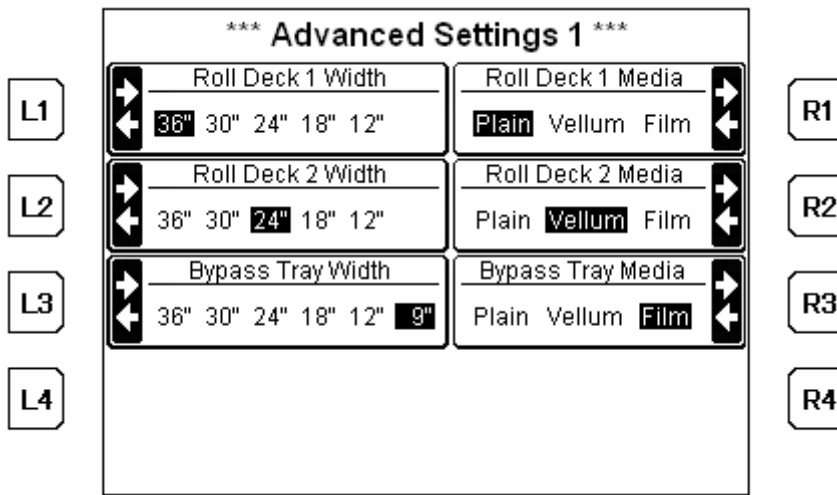
DIN: 36”, A0, A1, A2, A3

ENG: 36”, 34”, 22”, 17”, 11”, 8.5”

ARCH: 36”, 30”, 24”, 18”, 12”, 9”

The following Media Type settings are provided.

- Plain
- Vellum
- Film



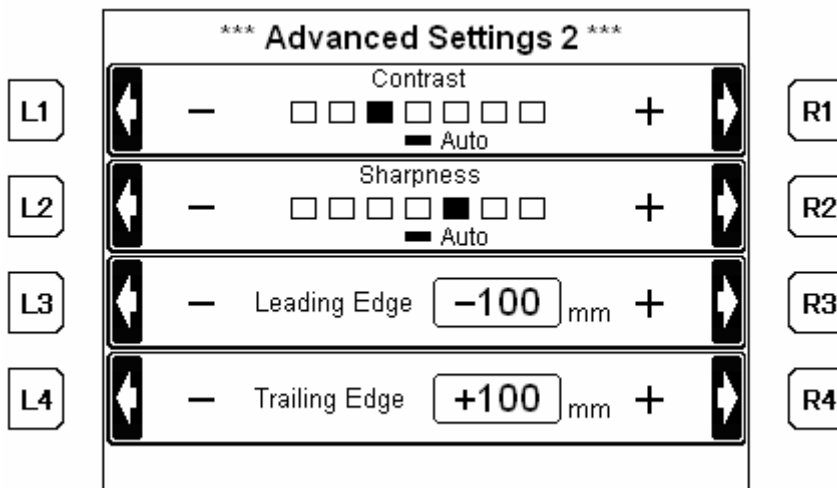
Press the **Enter** Key to apply the setting.

### 3.3.7.3 Contrast

Images are printed at the appropriate contrast on "Auto".

To adjust the contrast manually, press the **R2** Key or **L2** Key to enter Advanced Settings (2).

Press the **L1** Key for lower contrast or **R1** Key for higher.



Press the **Enter** Key to apply the setting.

### 3.3.7.4 Sharpness

Images are printed at the appropriate sharpness on "Auto".

To adjust the sharpness manually, press the **R2** Key or **L2** Key to enter Advanced Settings (2).

Press the **L2** Key to decrease in sharpness or **R2** Key to increase.

Press the **Enter** Key to apply the setting.

### 3.3.7.5 Margin-Leading edge

A margin can be provided to the leading edge of a copy, or part of the image can be deleted from a copy.

To specify the leading edge, press the **R2** Key or **L2** Key to enter Advanced Settings (2).

Leading edge adjustment covers from - 100 to + 100 millimeters in increments of 1 millimeter.

To provide a margin, input a positive value.

To delete the leading image, input a negative value.

Press the **R3** Key to increase the value, **L3** Key to decrease.

Press the **Enter** Key to apply the setting.

<Notes>

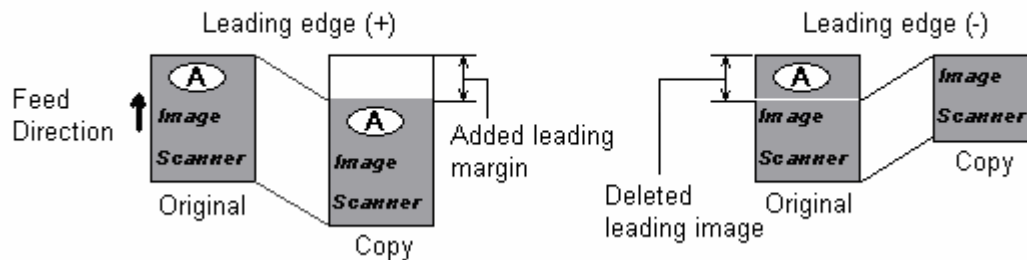
When providing a margin, a given length of the margin is added to the upper of the copy.  
When deleting a leading image, a given length of the image can be reduced or enlarged depending on the zoom setting.

Make sure of the following notes when Cut Mode is “Synchro”

A copy length is equal to the sum of the original and a given length.

Reducing a lead edge makes a copy shorter in a given length.

#### Cut mode: Synchro cut



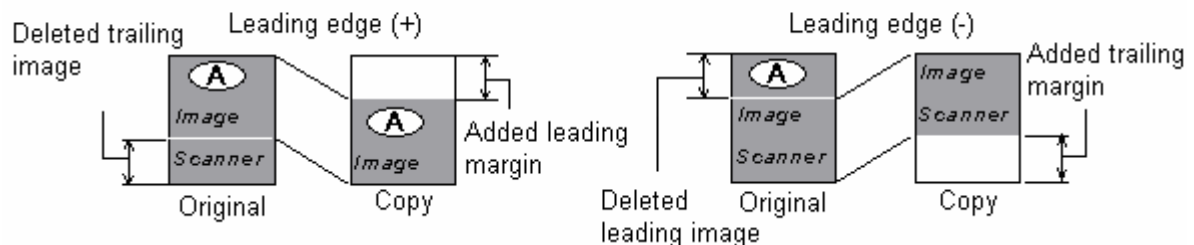
Make sure of the following notes when Cut Mode is “Standard”

A copy length is always equal to an acquired standard size.

Adding and reducing a leading edge extends a part of the image out of the paper.

The excess part will be removed, and the range at which the image is placed originally will be a blank.

#### Cut mode: Standard cut



### 3.3.7.6 Margin-Trailing edge

A margin can be provided to the trailing edge of a copy, or part of the image can be deleted from a copy.

To specify the trailing edge, press the **R2** Key or **L2** Key to enter Advanced Settings (2).

Trailing edge adjustment covers from - 100 to + 100 millimeters in increments of 1 millimeter.

To provide a margin, input a positive value.

To delete the trailing image, input a negative value.

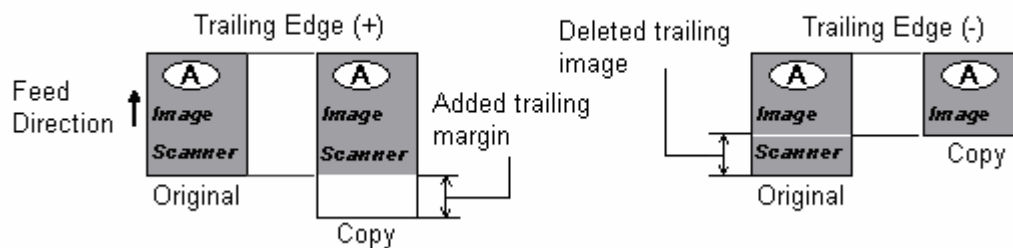
Press the **R3** Key to increase the value, **L3** Key to decrease.

Press the **Enter** Key to apply the setting.

<Notes>

When providing a margin, a given length of the margin is added to the bottom of the copy.  
When deleting a trailing image, a given length of the image can be reduced or enlarged depending on the zoom setting.

### Cut mode: Synchro cut



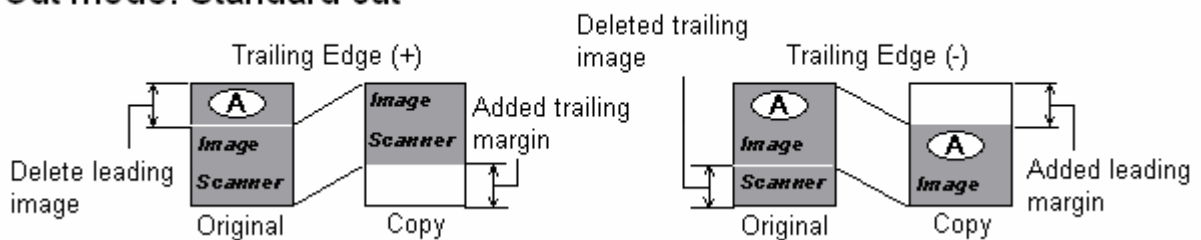
Make sure of the following notes when Cut Mode is "Standard"

A copy length is always equal to an acquired standard size.

Adding and reducing a trailing edge extends a part of the image out of the paper.

The excess part will be removed, and the range at which the image is placed originally will be a blank.

### Cut mode: Standard cut



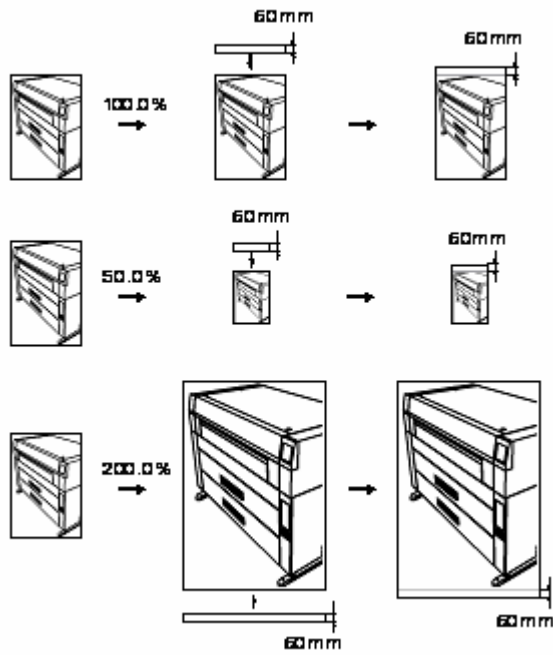
If you specify both leading edge and trailing edge with selecting "Standard Cut", only the leading edge will be applied. (trailing edge is ignored.)

Relationship between magnification and leading/trailing edge.

### Margin (+)

A margin you specified is simply provided.

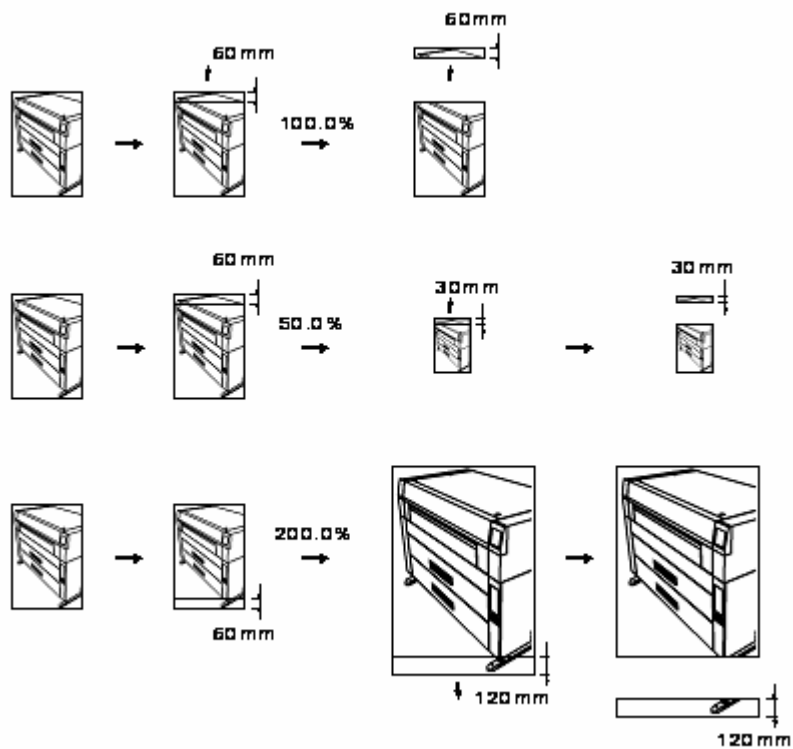
#### Margin(+) Leading Edge/Trailing Edge



### Margin (-)

The amount of deleted image is increased or decreased in proportion to the magnification.

#### Margin (-) Leading Edge/Trailing Edge



### 3.3.7.7 Image Shift

Images on a copy can be shifted vertically and horizontally.

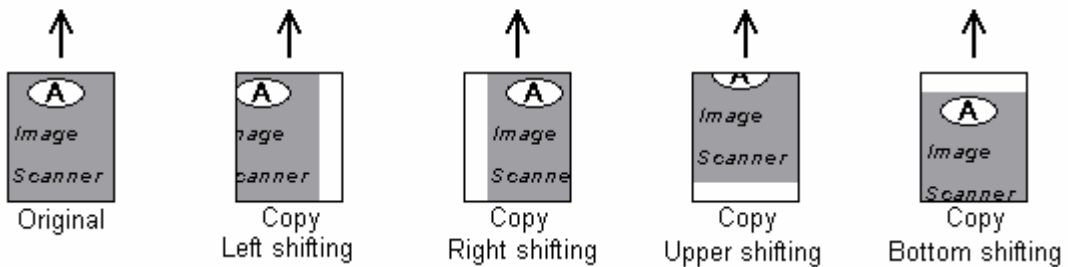
To shift an image on a print, press the **R2** Key or **L2** Key to enter Advanced Settings (2).

Shift adjustment covers 0 to 200 millimeters in increments of 1 millimeter.

Press the **L3** Key repeatedly to choose “Left” or “Right”, press **R3** Key repeatedly to choose “Upper” or “Bottom”.

Enter a margin amount with the numeric keys.

#### Image shift

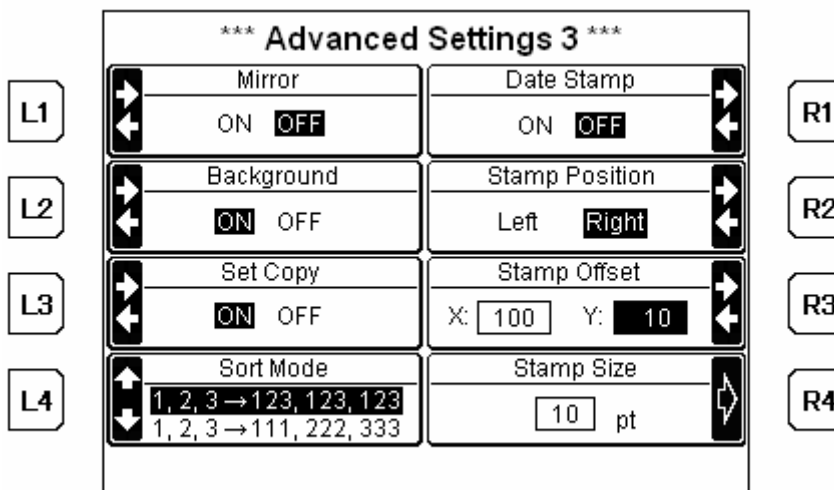


Press the **Enter** Key to apply the setting.

### 3.3.7.8 Mirror

To make a mirror print, press the **R4** Key or **L4** Key to enter Advanced Settings (3).

Press the **L1** Key repeatedly to choose “ON” or “OFF”.



Press **Enter** to apply the setting.

### 3.3.7.9 Background

To delete a background of the original, Press the **R4** Key or **L4** Key to enter Advanced Settings (3).

A background of the original is not printed when Background is “ON”.

Press the **L2** Key repeatedly to choose “ON” or “OFF”.

Background is disabled when Image Type is “Grayscale”.

Press **Enter** to apply the setting.

### 3.3.7.10 Date Stamp

To print the date stamp on a copy, press the **R4** Key or **L4** Key to enter Advanced Settings (3).

Press the **R1** Key repeatedly to choose "ON" or "OFF".

Press the **R2** Key repeatedly for the stamp position.

Stamp image is printed at the left upper on the image when "Left" is selected.

Stamp image is printed at the right upper on the image when "Right" is selected.

Press the **R3** Key repeatedly for the shifting value of Stamp image.

Stamp image is shifted to the center when X is increased.

Stamp image is shifted to the trailing edge side when Y is increased.

Each the setting ranges for both X and Y is 0 to 100 millimeters in increments of 1 millimeter.

Press the **R4** Key to specify the font size.

The input range is from 8 to 16pt in 1pt increment.

The format of date stamp is as follows.

Ex.) Thu Feb 16 21:22:05 2006

Press the **Enter** Key to apply the setting.

### 3.3.7.11 Set Copy

To make a set copy, press the **R4** Key or **L4** Key to enter Advanced Settings (3).

Press the **L3** Key repeatedly to choose "ON" or "OFF".

Press the **Enter** Key to apply the setting.

### 3.3.7.12 Sort Mode

To choose a sort Mode, press the **R4** Key or **L4** Key to enter Advanced Settings (3).

Press the **L4** Key repeatedly for either of them.

Press the **Enter** Key to apply the setting.

### 3.4 About Toner Empty

Replace the toner cartridge when “Toner empty” is displayed. Additional copy or print is still available in an emergent case without replacing with the new toner cartridge when the following Fig.1 message is displayed. Press any key (except **Stop** Key) in this case to continue copying or printing. When the following Fig.2 message is displayed after that, no more copy or print is available.

Fig.2 message may be displayed directly skipping Fig.1 message if a large volume of copy or print is made when few toner is left in the cartridge. Replace the toner cartridge as no more additional copy or print is available.

Keep a spare toner cartridge always.

Fig 1

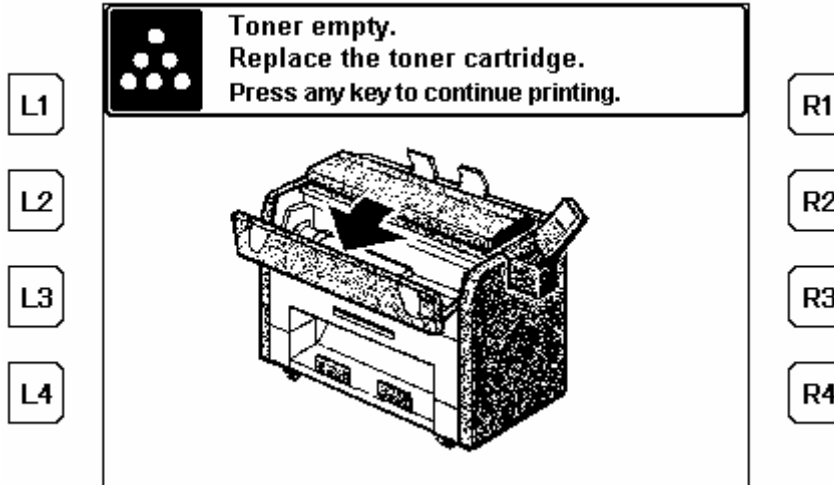
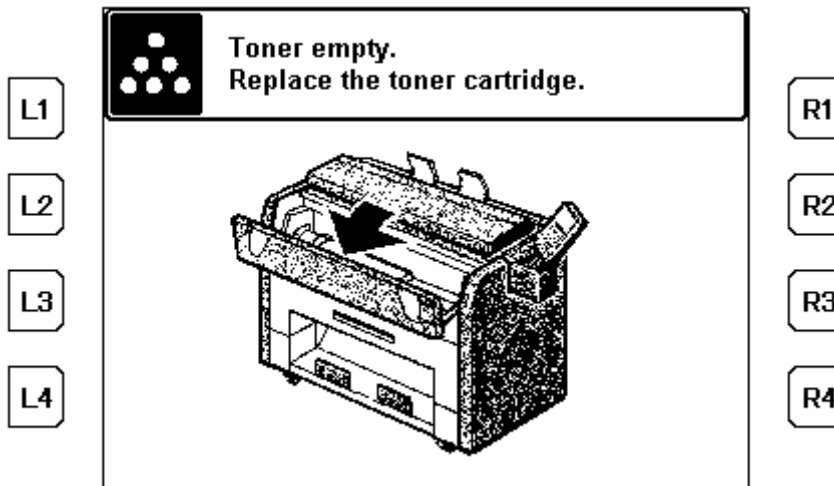
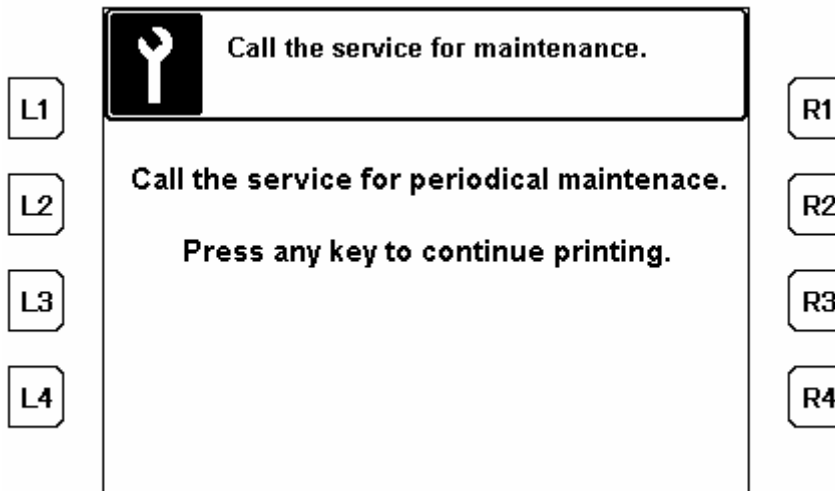


Fig 2



### 3.5 About Maintenance Message

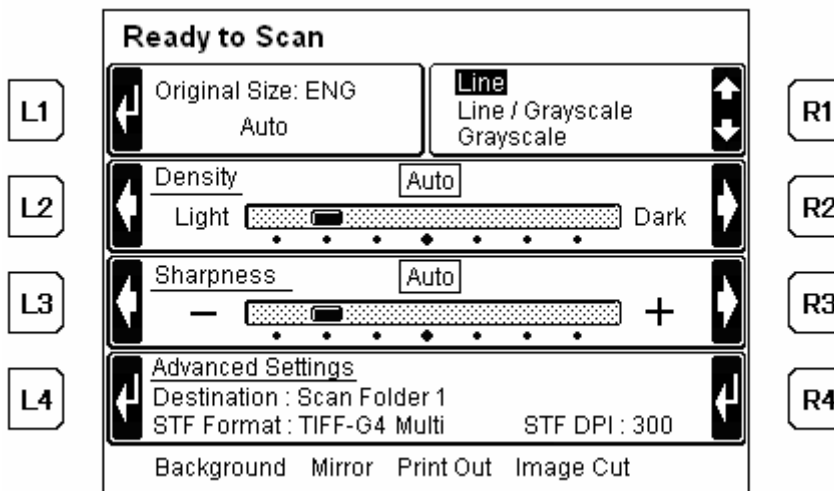
The following message is displayed when maintenance is required. Call the service.  
This will be displayed before starting every copy or print until the maintenance is finished.  
Press any key (except **Stop** Key) to start copy or print.



## 4. Scan

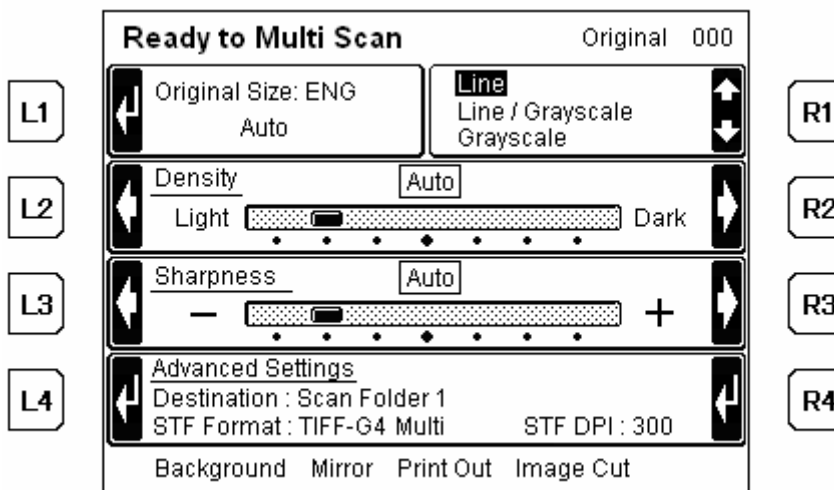
### 4.1 Scan Mode Screen

The picture below is the basic Scan Mode Screen to make a scan. Make sure that “Ready to Scan” is indicated in the upper left of the screen before scan. Originals can be carried to the scanner only when Copy/Scan Mode Screen is displayed.



Make sure that “Ready to Multi Scan” is indicated in the upper left of the screen before multi scan.

How to launch or cancel “Ready to Multi Scan” is described later.



After scanning the first page of the original, “Ready to Multi Scan” and “Press Enter to finish scanning” are indicated by turns.

The number of the scan originals is indicated in upper right of the screen.

The other settings you should check before scan are as following.

- Original Size
- Quality
- Destination
- STF Format
- STF DPI

The above settings are described later.

## 4.2 Scan Operation

### 4.2.1 Basic Scan

Place originals facing up on the Original Table.

Insert originals when KM-3650w is ready to scan.

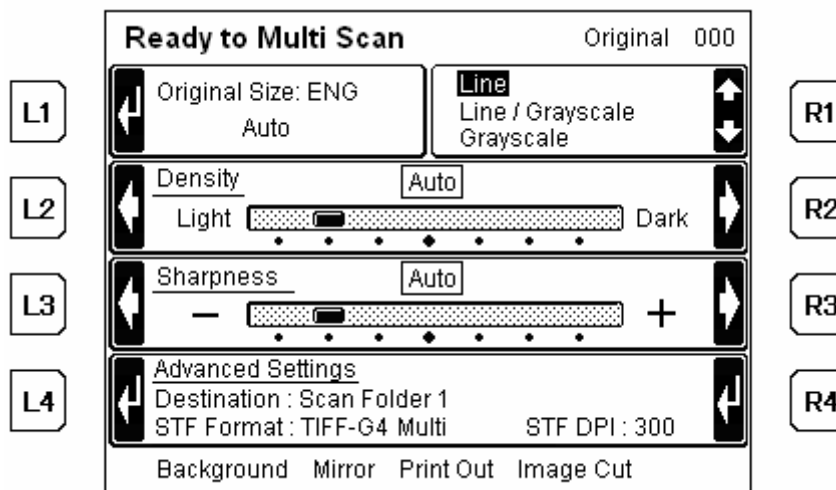
Press the **Start** Key is required each time to start reading originals when "Auto Start" is "OFF".

The default Auto Start time is 1.5 seconds. It is changeable at your option.

### 4.2.2 Multi Scan

Multi Scan is available to save several scan images as a single file.

A multi image files can contain up to 199 of originals.



The number of the originals you have scanned for Multi Scan is indicated in the upper right of the screen.

After scanning the first page of the original, "Ready to Multi Scan" and "Press Enter to finish scanning" are indicated by turns.

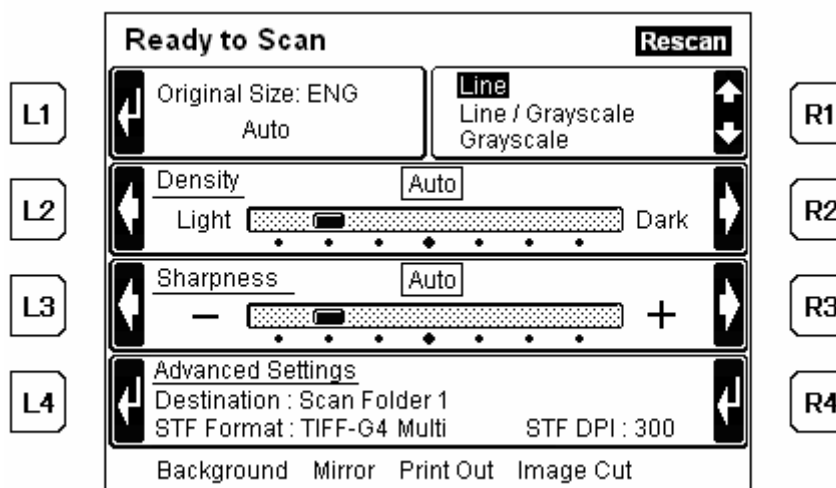
(Any original inserted to the scanner can prevent KM-3650w from starting printing.)

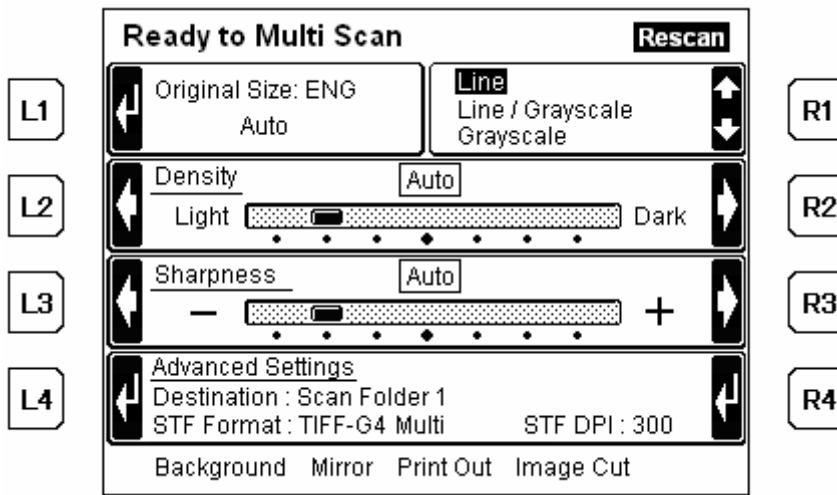
Press the **Enter** Key after scanning all the originals, and the scan image are saved as a single file.

The number of scan originals will be eliminated after saving a file.

### 4.2.3 Rescan

Press the **ReScan** Key to replace the previous scan image with a new one.





The sign “Rescan” is indicated in the upper right of the screen under Rescan Mode. Rescan is use of if the wrong original is read, or if the scanner carries originals on the skew. The new scan image overwrites the previous one.

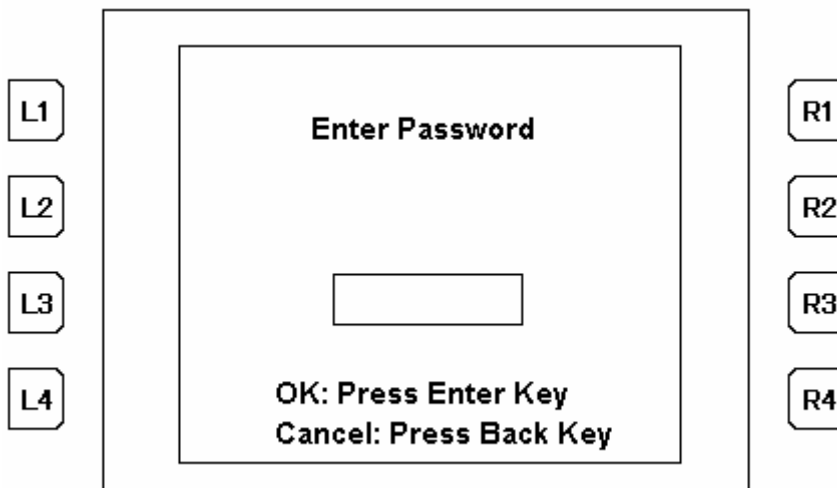
Rescan Mode is cancelled after scanning the ReScan. Pressing the **ReScan** Key again is another measure to cancel Rescan Mode.

Rescan is disabled in case no image exists for Rescan  
Rescan is disabled in case of changing the destination or FTP to save.

#### 4.2.4 Password

Making a scan image requires a password when a destination or FTP folder involves the password authentication.

Type a password with the numeric keys and press the **Enter** Key.  
(Default password: “0000”)



The message shown below appears because of an incorrect attempt.



Scan Mode Screen is displayed with a successful authentication.

As authorized scan will be valid unless launching any other screen or pressing the **Clear** Key, the password entry is not required for subsequent scan.

#### 4.2.5 Downloading image files

This section describes the outline how to use image files.

Image files are managed with the client's Remote Web Manager.

Refer to the manual concerned for more information.

To download image files, follow the process below.

1. Launch Remote Web Manager on the client's PC.
2. Log in to KM-3650w.
3. Click Scan tab.
4. Click a destination where the image files are saved.
5. Opening a destination requires a password entry.
6. Image files are listed.
7. Select desired files, click Download.
8. Locate the destination.

Scan file name consists of SD, year, month, day, \_, 6 digits continuous number and extension.

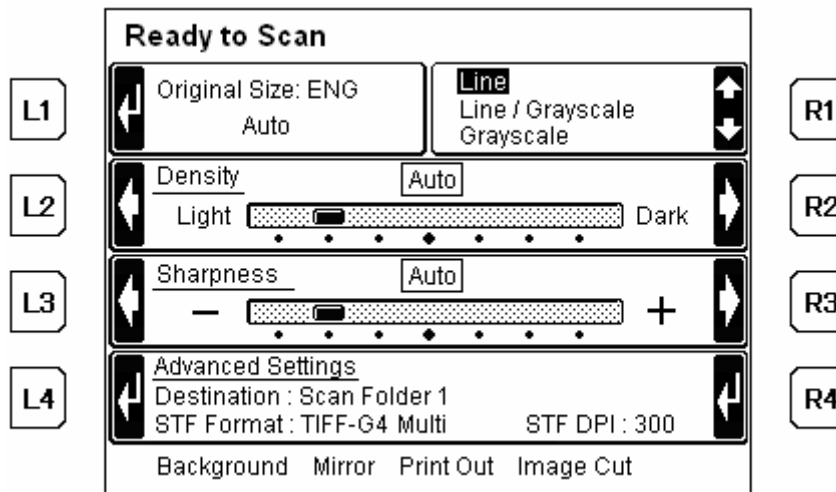
6 digits continuous number goes back to 00001 on the next day.

Ex.) SD060217\_000001.tif

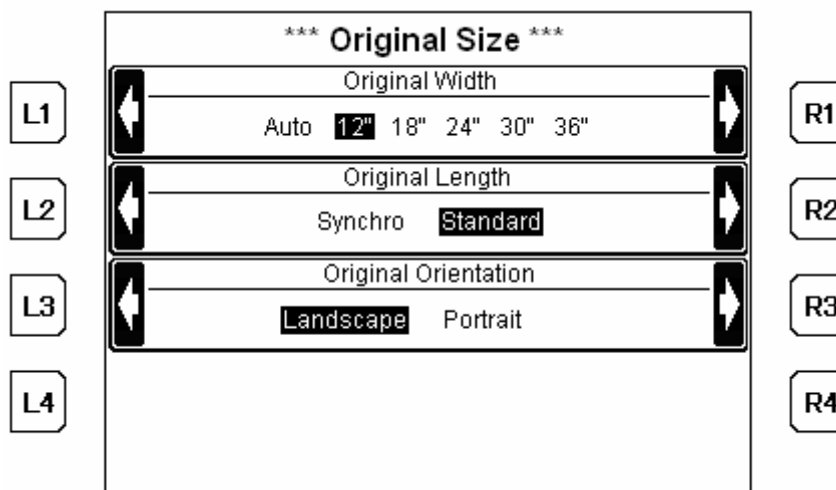
## 4.3 Scan Settings

### 4.3.1 Original Width

To specify the original width, press the **L1** Key to enter Original Size screen.



Specify a proper original size with pressing the **L1** Key repeatedly.



The scanner reads an original in a given original width.  
"Auto" enables the scanner to detect the original width properly.  
"Auto" disables Original Orientation.

The following original width settings are provided.

DIN: Auto, A3, A2, A1, A0  
ENG: Auto, 11", 17", 22", 34", 36"  
ARCH: Auto, 12", 18", 24", 30", 36"

Press the **Enter** Key to apply the setting.

### 4.3.2 Original Length

To specify the original length, press the **L1** Key to enter Original Size screen.

When selected, “Synchro”, the image length is the same as the original.

When selected “Standard”, one of the following prescribed size is applied.

Which one to be applied depends on a combination of Original Width and Original Orientation.

Press the **L2** Key for “Synchro”, and **R2** Key for “Standard”.

Press the **Enter** Key to apply the setting.

DIN:

Original Width		A3	A2	A1	A0	36”
Original Orientation	Landscape	210mm	297mm	420mm	594mm	24”
	Portrait	420mm	594mm	841mm	1189mm	48”

ENG:

Original Width		11”	17”	22”	34”	36”
Original Orientation	Landscape	8.5”	11”	17”	22”	24”
	Portrait	17”	22”	24”	44”	48”

ARCH:

Original Width		12”	18”	24”	30”	36”
Original Orientation	Landscape	9”	12”	18”	Not available	24”
	Portrait	18”	24”	36”	42”	48”

“Synchro” disables Original Orientation.

### 4.3.3 Original Orientation

To specify the original orientation, press the **L1** Key to enter Original Size screen.

“Landscape” makes the scanner carry an original in landscape orientation.

“Portrait” makes the scanner carry an original in portrait orientation.

Press the **L3** Key to choose “Landscape”, and **R3** Key to “Portrait”.

Original orientation is disabled on the following situations.

In case Original Width is “Auto”.

In case Original Length is “Synchro”.

### 4.3.4 Image Type

The following settings are provided for the original image type.

“Line” is suitable for simple line originals.

“Line/Grayscale” is suitable for originals which include lines and areas of shade together.

“Grayscale” is suitable for photographic originals and areas of shade originals.

Press the **R1** Key repeatedly for a proper image type.

#### 4.3.5 Density

Images are scanned at the appropriate density on “Auto”.

Press the **L2** Key to lighten or **R2** Key to darken the density on an image at discretion.

#### 4.3.6 Sharpness

Images are scanned at the appropriate sharpness on “Auto”.

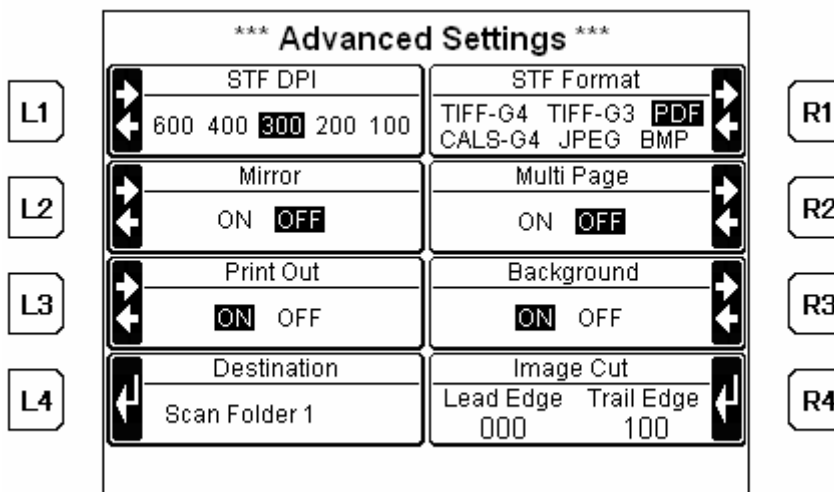
Press the **L2** Key to decrease in sharpness or **R2** Key to increase.

#### 4.3.7 Advanced Settings

Press the **R4** Key or **L4** Key to enter Advanced Settings.

The following settings are provided in Advanced Settings.

- STF DPI
- STF Format
- Multi Page
- Mirror
- Print Out
- Background
- Destination
- Image Cut Leading edge
- Image Cut Trailing edge



##### 4.3.7.1 STF DPI

Press the **L1** Key repeatedly for a desired resolution.

Press the **Enter** Key to apply the setting.

##### 4.3.7.2 STF Format

The following File Formats for scan images are provided.

- TIFF-G4
- TIFF-G3
- PDF
- CALS-G4
- JPEG
- BMP

Press the **R1** Key repeatedly for a desired format.

Press the **Enter** Key to apply the setting.

#### 4.3.7.3 Multi Page

Multi Page “ON” enables several originals to be saved as a single file.

Press the **R2** Key repeatedly to choose “ON” or “OFF”.

Multi Page “ON” is only enabled when File Format is “TIFF-G4”, “TIFF-G3”, or “PDF”.

Press the **Enter** Key to apply the setting.

#### 4.3.7.4 Mirror

To make a mirror image, press the **L2** Key repeatedly to choose “ON” or “OFF”.

Press the **Enter** Key to apply the setting.

#### 4.3.7.5 Print Out

Print Out enables to scan an original and make its copy at a time.

Press the **L3** Key repeatedly to choose “ON” or “OFF”.

Press the **Enter** Key to apply the setting.

#### 4.3.7.6 Background

Background “ON” removes a background of the originals.

Press the **R3** Key repeatedly to choose “ON” or “OFF”.

Background is disabled when Image Type is “Grayscale”.

Press the **Enter** Key to apply the setting.

#### 4.3.7.7 Destination

Six folders and two FTP to store image files are provided.

To specify the destination, press the **L4** Key to enter Destination screen.

Select a folder with the corresponding key.

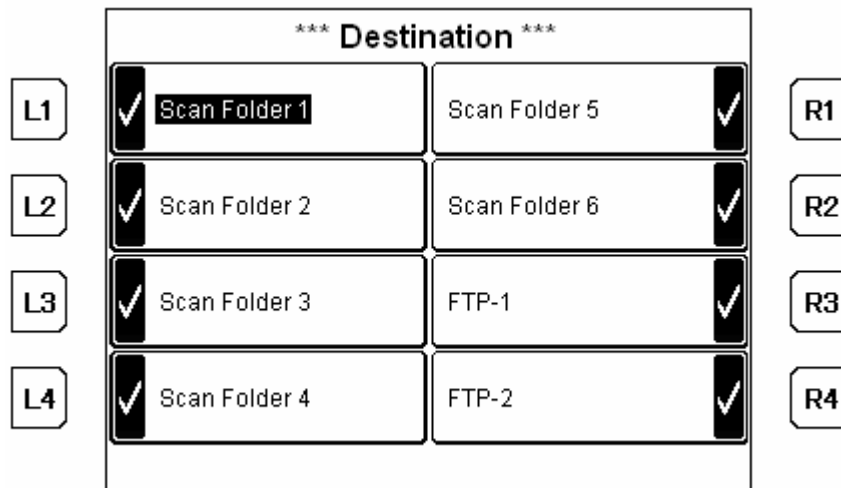


Image files are managed with a client's Remote Web Manager.  
Image files are stored in KM-3650w for 72 hours, and are subsequently deleted.

Press the **Enter** Key to apply the setting.

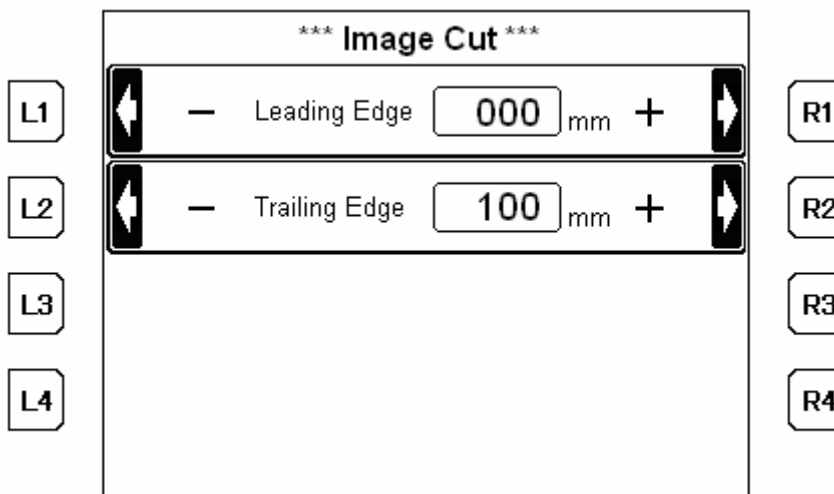
Refer to the manual concerned for more information about Remote Web Manager.

#### 4.3.7.8 Image Cut Leading edge

A given range of the leading image can be deleted from the image.  
To delete a leading image, press the **R4** Key to enter Image Cut screen.

Leading edge adjustment covers from 0 to 300 millimeters in increments of 1 millimeter.  
Press the **R1** Key to increase the value, **L1** Key to decrease.

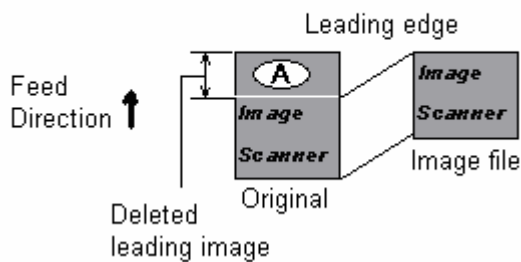
Press the **Enter** Key to apply the setting.



<Notes>

Make sure of the following note when Original Length is "Synchro"  
Preparing a leading edge makes an image shorter in a given length.

Original length: Synchro



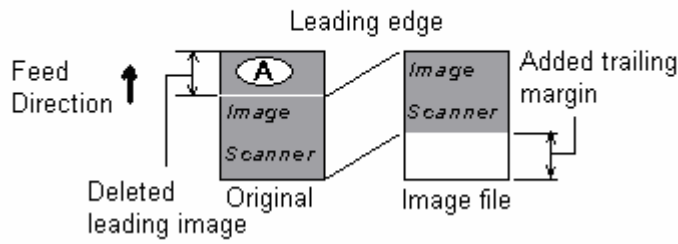
Make sure of the following notes when Original Length is "Standard"

An image length is always equal to an acquired standard size.

Preparing a leading edge extends an image out of its original range to the top.

The excess part will be removed, and the range at which the image is placed originally will be a blank.

Original length: Standard

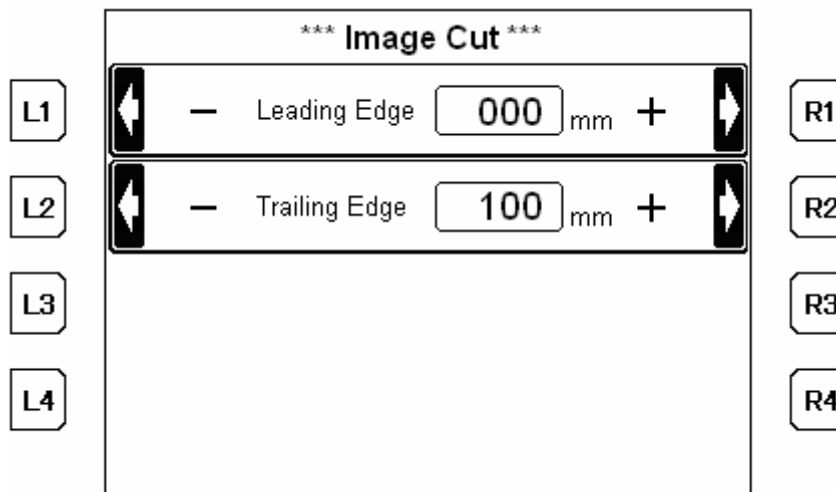


#### 4.3.7.9 Image Cut Trailing edge

A given range of the trailing image can be deleted from the image.  
To delete a trailing image, press the **R4** Key to enter Image Cut screen.

Trailing edge adjustment covers from 0 to 300 millimeters in increments of 1 millimeter.  
Press the **R2** Key to increase the value, **L2** Key to decrease.

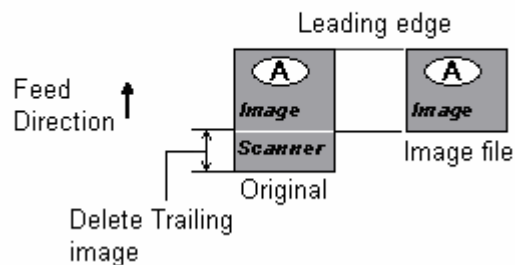
Press the **Enter** Key to apply the setting.



<Notes>

Make sure of the following note when Cut Mode is "Synchro"  
Preparing a trail edge makes an image in a given length shorter.

Original length: Synchro



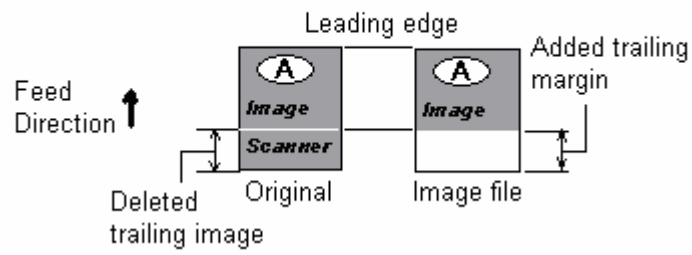
Make sure of the following notes when Cut Mode is "Standard"

An image length is always equal to an acquired standard size.

Preparing a trail edge extends an image out of its original range to the bottom.

The excess part will be removed, and the range at which the image is placed originally will be a blank.

Original length: Standard



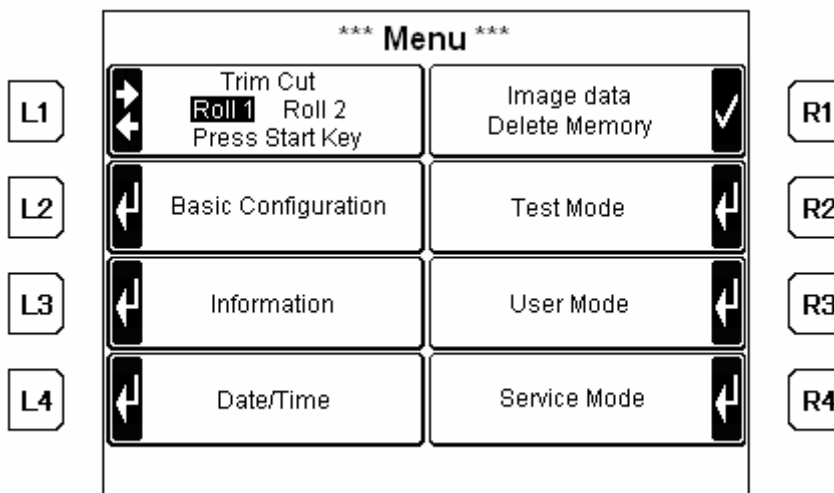
## 5. Menu

### 5.1 Menu Mode screen

The following general settings are provided in Menu Mode.

- Trim Cut
- Basic Configuration
- Information
- Date/Time
- Image data Delete Memory
- Test Mode
- User Mode
- Service Mode

Press the **Menu** Key to enter Menu Mode.



### 5.2 General Settings

#### 5.2.1 Trim Cut

Trim Cut makes the leading edge of roll paper straight by a cutoff. Press the **L1** Key repeatedly for "Roll 1" or "Roll 2".

Press the **Start** Key to make a cutoff on the roll paper.

#### 5.2.2 Image data Delete Memory

Press the **R1** Key to delete the image for Recopy.

When the message shown below is displayed, press the **Enter** Key to execute the operation.



### 5.2.3 Basic Configuration

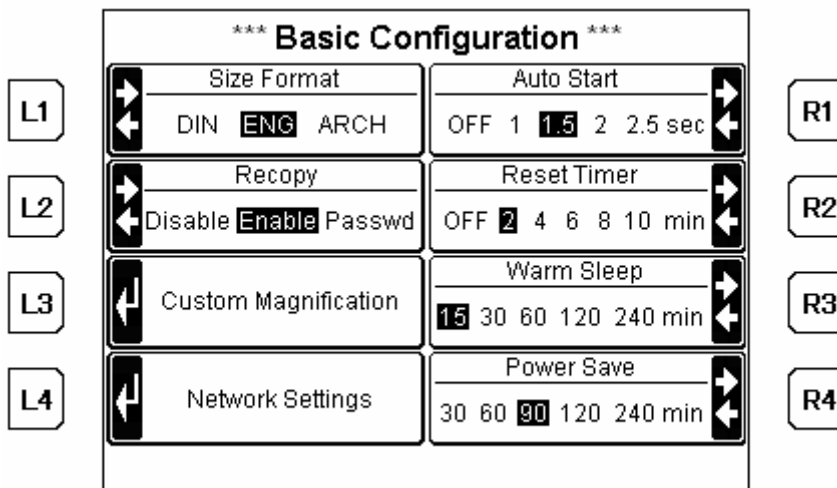
Press the **L2** Key to enter Basic Configuration.

Entering Basic Configuration requires a password entry. Type a password with the Numeric Keys and press the **Enter** Key.

(Default password: 3650)

The following settings are provided in Basic Configuration.

- Size Format
- Recopy
- Auto Start
- Reset Timer
- Warm Sleep
- Power Save
- Custom magnification
- Network Settings



#### 5.2.3.1 Size Format

Press the **L1** Key repeatedly for a size format of “DIN”, “ENG” or “ARCH”.

Press the **Enter** Key to apply the setting.

#### 5.2.3.2 Recopy

The permission for Recopy can be specified.

Press the **L2** Key repeatedly for a desired setting.

“Disable” forbids Recopy completely.

“Enable” permits Recopy.

“Passwd” requires a password entry for Recopy.

Press the **Enter** Key to apply the setting.

#### 5.2.3.3 Auto Start

The scanner starts carrying an original after a slight interval.

To adjust the interval, press the **R1** Key repeatedly for a desired setting.

“OFF” requires pressing the **Start** Key each time to start carrying originals.

Press the **Enter** Key to apply the setting.

#### 5.2.3.4 Reset Timer

KM-3650w clears all the settings in the screen when a specified period has been passed without any operation.

To adjust the period, press the **R2** Key repeatedly for a desired setting.

“OFF” disables KM-3650w from clearing the settings.

Press the **Enter** Key to apply the setting.

#### 5.2.3.5 Warm Sleep

KM-3650w goes into warm sleep when a specified period has been passed without any operation.

To adjust the period, press the **R3** Key repeatedly for a desired setting.

Press the **Enter** Key to apply the setting.

#### 5.2.3.6 Power Save

KM-3650w goes into power save when a specified period has been passed without any operation.

To adjust the period, press the **R4** Key repeatedly for a desired setting.

Press the **Enter** Key to apply the setting.

**NOTE** : The display on the Operation Panel turns off when switched to the power save.  
Press any key to return the Operation Panel.

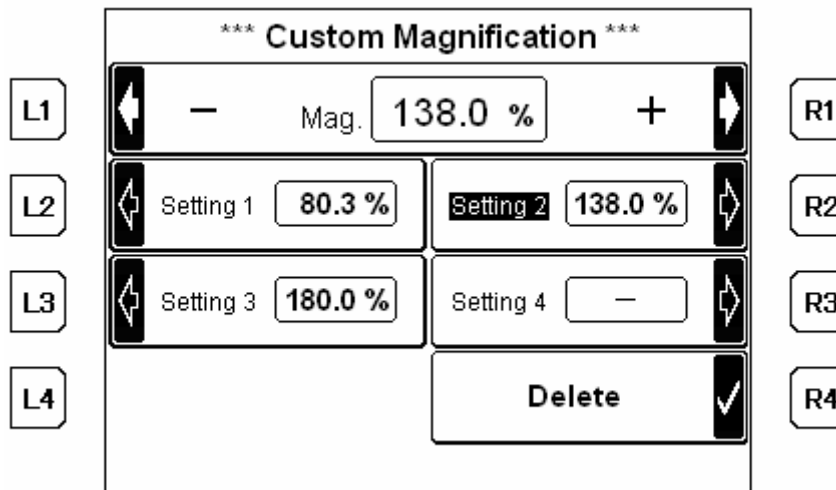
**!** **When the main switch is turned ON or during sleep mode recovery, the LCD takes 1 minute to display.**

**Please do not turn OFF the main switch during this period.**

### 5.2.3.7 Custom Magnification

Custom Magnification is a zoom ratio that can be registered as preset zoom setting items.  
Press the **L3** Key to enter Custom Magnification screen.

**L2, R2, L3** and **R3** Key correspond to “Setting 1”, “Setting 2”, “Setting 3” and “Setting 4”.  
Select a set with the above key, enter the magnification with the Numeric keys.



The magnification value covers 25.0 to 400.0 percent.

Press the **R4** Key to delete the highlighted value.

Registered Custom Magnification item is added to the Preset Zoom group.

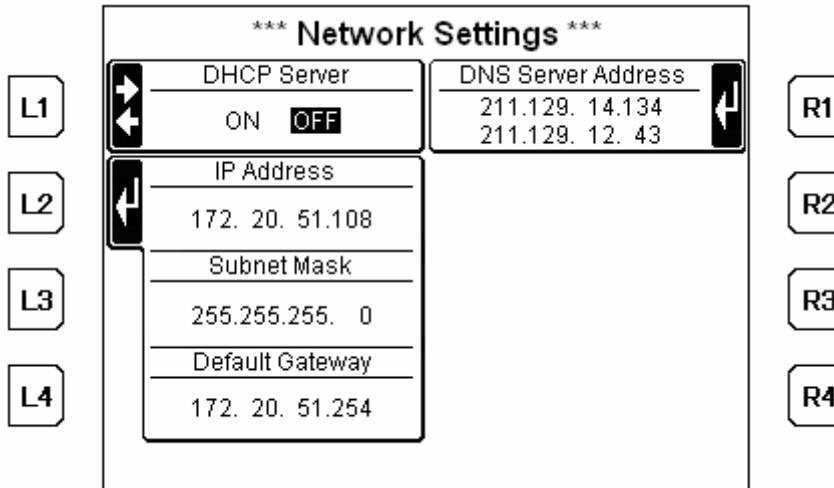
Press the **Enter** Key to apply the setting.

### 5.2.3.8 Network Settings

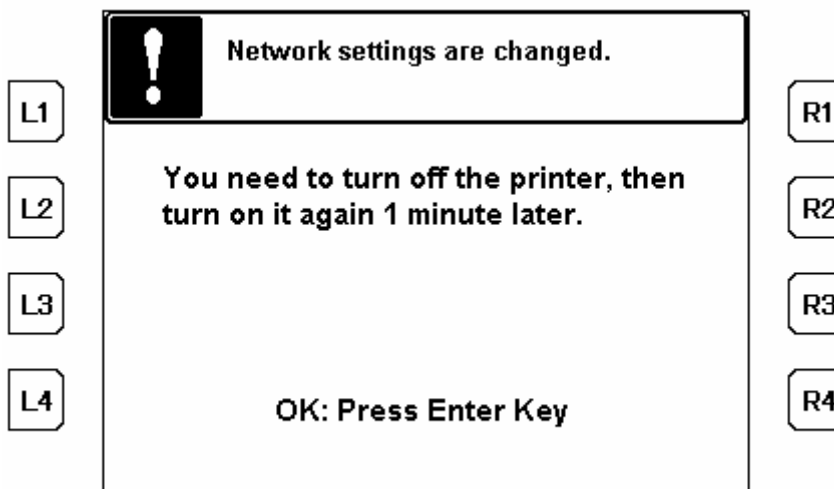
To configure the network settings, press the **L4** Key to enter Network Settings.

The following settings are provided in Network Settings.

- DHCP Server
- IP Address
- Subnet Mask
- Default Gateway
- DNS Server Address



The message shown below is displayed when any setting is changed.



Applying the change requires KM-3650w's reboot.  
Press the **Enter** Key and turn off KM-3650w.  
Turn it on after an interval of 1 minute.

- !** When the main switch is turned ON or during sleep mode recovery, the LCD takes 1 minute to display.  
Please do not turn OFF the main switch during this period.

#### 5.2.3.8.1 DHCP Server

Press the **L1** Key repeatedly and specify whether a DHCP server exists on the network.

### 5.2.3.8.2 IP Address, Subnet Mask, Default Gateway

To configure the network settings, press the **L2** Key to enter Network Settings (1).

The screenshot shows a menu titled "\*\*\* Network Settings 1 \*\*\*" with three rows of settings. Each row has a left arrow key and a right arrow key. To the left of the menu are four keys labeled L1, L2, L3, and L4. To the right are four keys labeled R1, R2, R3, and R4. The first row is "IP Address" with the value "172 . 20 . 51 . 108". The second row is "Subnet Mask" with the value "255 . 255 . 255 . 0". The third row is "Default Gateway" with the value "172 . 20 . 51 . 254".

Press **R1** Key and **L1** Key repeatedly to highlight an item for IP address.  
Press **R2** Key and **L2** Key repeatedly for Subnet Mask.  
Press **R3** Key and **L3** Key repeatedly for Default Gateway.

The highlighted item can be specified. Before change, press the **Clear** Key to clear the value.

Enter a number with the Numeric keys.

Press the **Enter** Key to apply the configuration.

### 5.2.3.8.3 DNS Server

To configure the IP Address for the DNS Server, press the **R1** Key to enter Network Settings (2).

The screenshot shows a menu titled "\*\*\* Network Settings 2 \*\*\*" with two rows of settings. Each row has a left arrow key and a right arrow key. To the left of the menu are four keys labeled L1, L2, L3, and L4. To the right are four keys labeled R1, R2, R3, and R4. The first row is "DNS Server Address 1" with the value "211 . 129 . 14 . 134". The second row is "DNS Server Address 2" with the value "211 . 129 . 12 . 43".

Press **R1** Key and **L1** Key repeatedly to highlight an item for "DNS Server IP Address 1".  
Press **R2** Key and **L2** Key repeatedly for "DNS Server IP address 2".

The highlighted item can be specified. Before change, press the **Clear** Key to clear the value.

Enter a number with the Numeric Keys.

Press the **Enter** Key to apply the configuration.

## 5.2.4 Information

Press the **L3** Key to view information about KM-3650w.

The following information is displayed.

- Date
- Print Counter
- Scanner Version
- Printer Version
- Controller Version
- Print Information

*** Information ***			
<b>L1</b>	Date 18 Nov. 2005	Scanner Version 1.00	<b>R1</b>
<b>L2</b>	Print Counter 00000250	Printer Version 1.00	<b>R2</b>
<b>L3</b>		Controller Version 1.00	<b>R3</b>
<b>L4</b>		Print Information <input checked="" type="checkbox"/>	<b>R4</b>

### 5.2.4.1 Date/Time

To set the date/time, press the **L4** Key to enter Date/Time screen.

Date/Time screen requires a password entry.

Press **R1** Key and **L1** Key repeatedly to highlight an item for “Year”, “Month” or “Day”.  
Press **R2** Key and **L2** Key repeatedly to highlight an item for “Hour” or “Minute”.

*** Date/Time ***		
<b>L1</b>	← Year Month Day → 2005 11 20	<b>R1</b>
<b>L2</b>	← Hour Minute → 15 : 00	<b>R2</b>
<b>L3</b>		<b>R3</b>
<b>L4</b>		<b>R4</b>

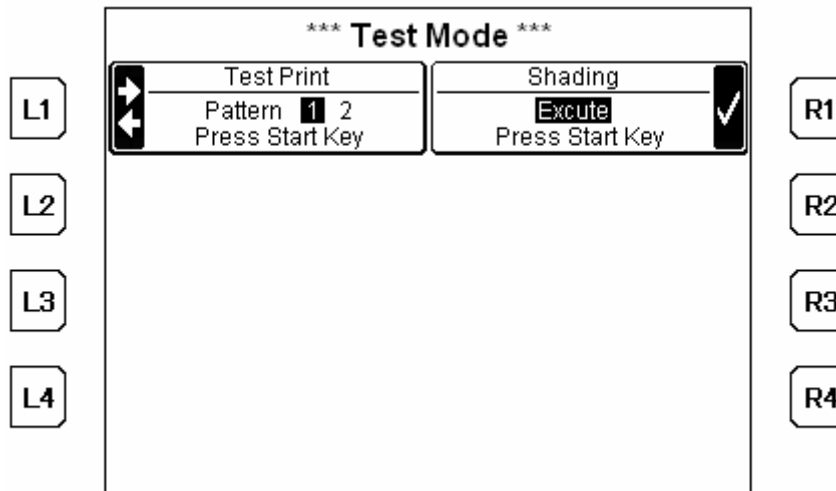
Enter a number with the Numeric Keys.

Press the **Enter** Key to apply the setting.

## 5.2.4.2 Test Mode

To inspect the printing/scanning unit, press the **R2** Key to enter Test Mode.

Test Mode Screen requires a password entry.



### 5.2.4.2.1 Test Print

Four patterns for the test print are provided.

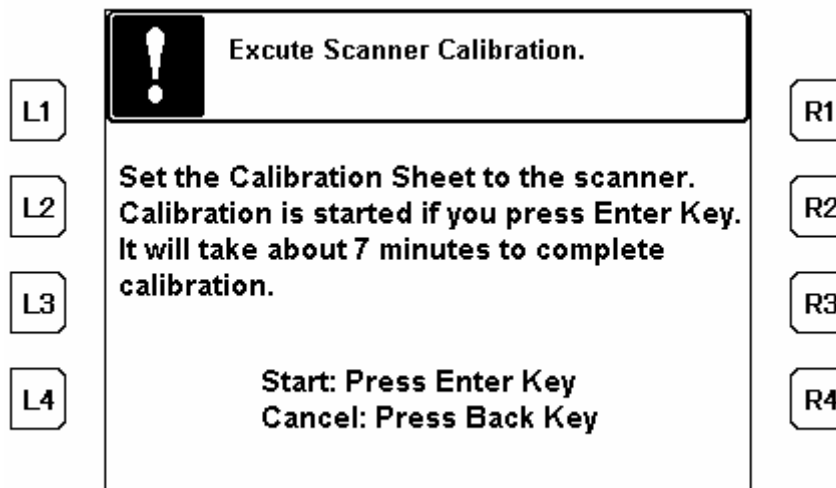
The test patterns show whether the printing unit works correctly.

Press the **L1** Key repeatedly for a pattern number and press the **Start** Key to print the test pattern.

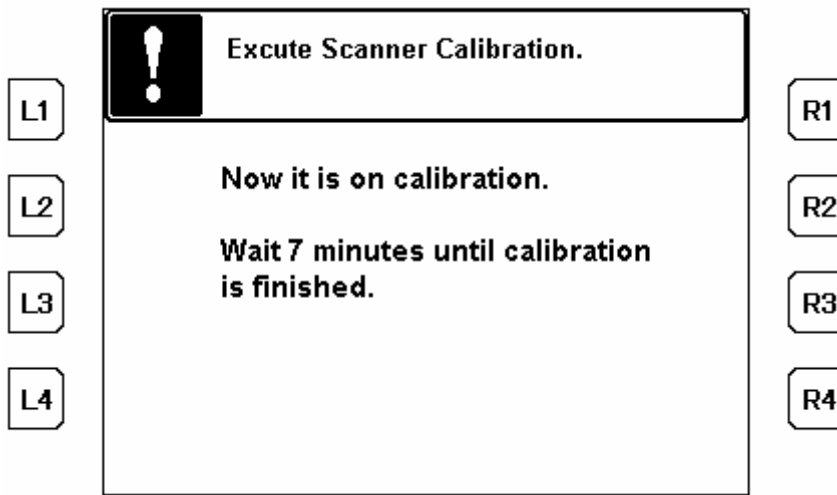
### 5.2.4.2.2 Shading

Reading Sensors on the scanner can be calibrated correctly with "Shading".

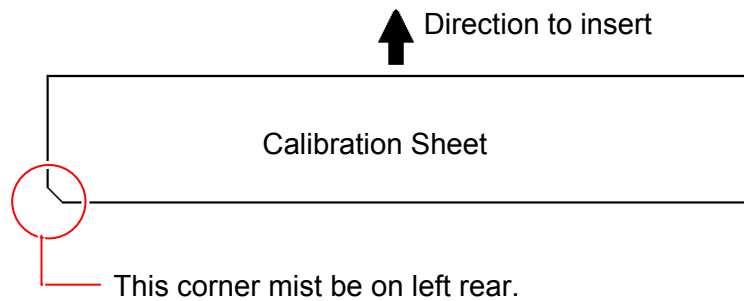
Press the **R1** Key to highlight "Execute", and then press the **Start** Key to start. The following message is displayed.



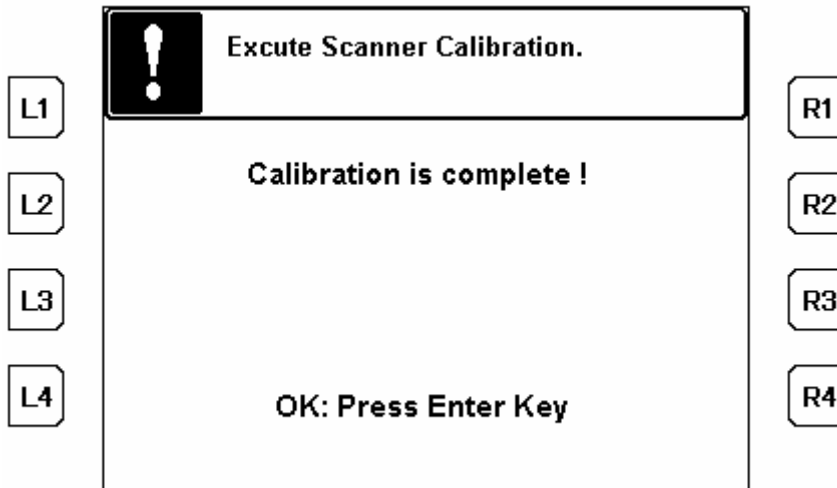
Set the Calibration Sheet to the scanner, and then press the **Enter** Key to start.



Be careful of the direction of Calibration Sheet.  
 A corner not right angled must be on left rear against the direction to insert.



It takes about 7 minutes for the calibration.  
 The following message is displayed when finished.

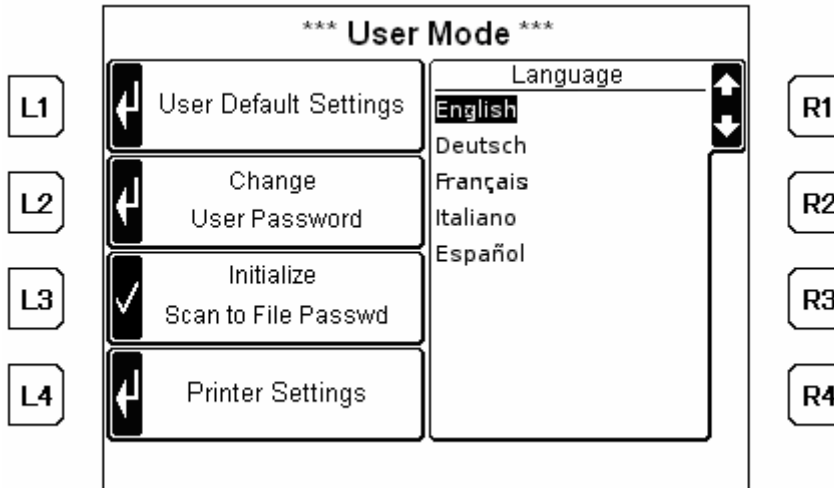


Press the **Enter** Key.

## 5.2.5 User Mode

To configure the following setting, press the **R3** Key to enter User Mode.

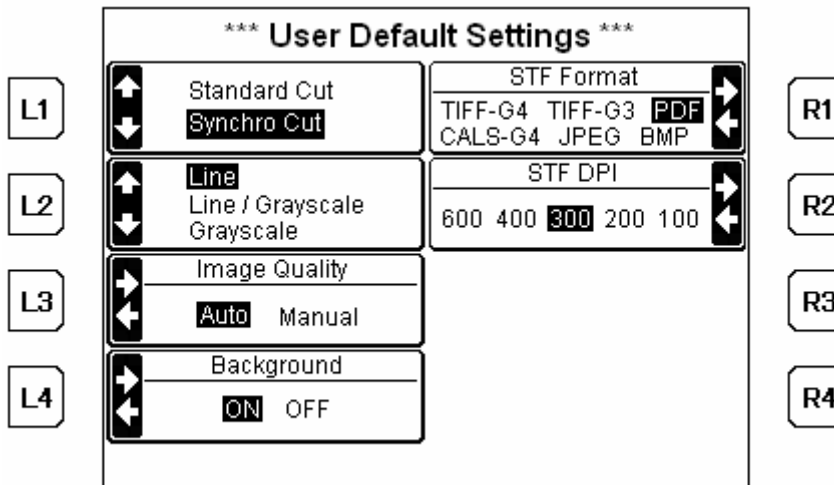
- User Default Settings
- Change User Password
- Initialize Scan to File Password
- Printer Settings
- Language



### 5.2.5.1 User Default Settings

User Default Settings enables to customize the default states for several items, which will be applied in the boot sequence or by pressing the **Reset** Key.

Press the **L1** Key to enter User Default Settings screen.



Press the **L1** Key repeatedly to choose either of the items for Cut Mode in Copy Mode.

Press the **L2** Key repeatedly to select a proper setting for Image Type in Copy/Scan Mode.

Press the **L3** Key repeatedly to choose either of the items for Density/Contrast/Sharpness in Copy/Scan Mode.

Press the **L4** Key repeatedly to choose either of the items for Background in Copy/Scan Mode.

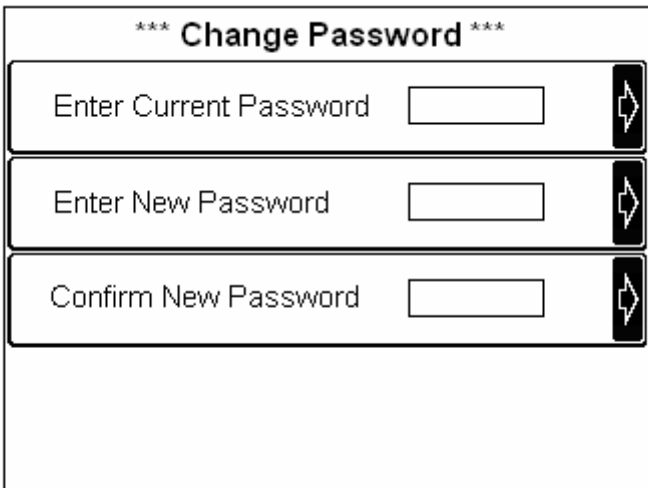
Press the **R1** Key repeatedly to select a desired format for STF Format in Scan Mode.

Press the **R2** Key repeatedly to select a desired resolution for STF DPI in Scan Mode.

Press the **Enter** Key to apply the setting.

### 5.2.5.2 Change User Password

To change the user password, press the **L2** Key to enter Change Password screen.



The diagram shows a screen titled "\*\*\* Change Password \*\*\*" with three input fields. The first field is labeled "Enter Current Password", the second "Enter New Password", and the third "Confirm New Password". Each field has a right-pointing arrow button. To the left of the screen are four keys labeled L1, L2, L3, and L4. To the right are four keys labeled R1, R2, R3, and R4.

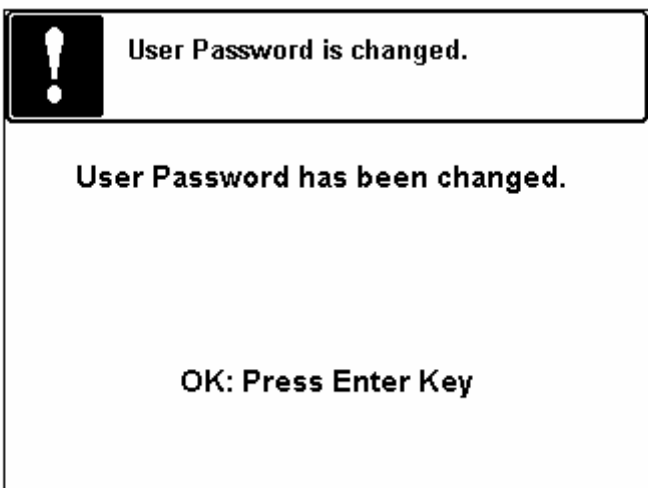
Press the **R1** Key to focus the current password.

Press the **R2** Key to focus a new password.

Press the **R3** Key to focus the new password confirmation.

Type ones with the Numeric Keys.

The message shown below is displayed with a successful authentication.



The diagram shows a message screen with a black header bar containing a white exclamation mark icon and the text "User Password is changed.". Below the header, the main text reads "User Password has been changed." and "OK: Press Enter Key". To the left of the screen are four keys labeled L1, L2, L3, and L4. To the right are four keys labeled R1, R2, R3, and R4.

Press the **Enter** Key.

### 5.2.5.3 Initialize Scan to File Password

Each destination folder to store scan image files can have a password respectively. To initialize the password, press the **L3** Key to enter Reset Scan to File password screen. Entering requires a password entry.

*** Initialize Scan to File Password ***			
L1	<input checked="" type="checkbox"/> Scan Folder 1	Scan Folder 5	R1
L2	<input checked="" type="checkbox"/> Scan Folder 2	Scan Folder 6	R2
L3	<input checked="" type="checkbox"/> Scan Folder 3	FTP-1	R3
L4	<input checked="" type="checkbox"/> Scan Folder 4	FTP-2	R4

Press one of the corresponding keys to the folders in order to select one of which password will be initialized. Then press the **Enter** Key.

! Initialize the Scan to File Password.	
L1	R1
L2	R2
L3	R3
L4	R4

Scan to File Password will be initialized.  
(Default state: 0000)

Yes: Press Enter Key  
Cancel: Press Back Key

Press the **Enter** Key to execute.

#### 5.2.5.4 Printer Settings

The following settings are provided in Printer Settings.

Low Temp Mode

“ON” enables KM-3650w to improve its operation at low temperature.

Smoothing

“ON” makes diagonal lines clearer.

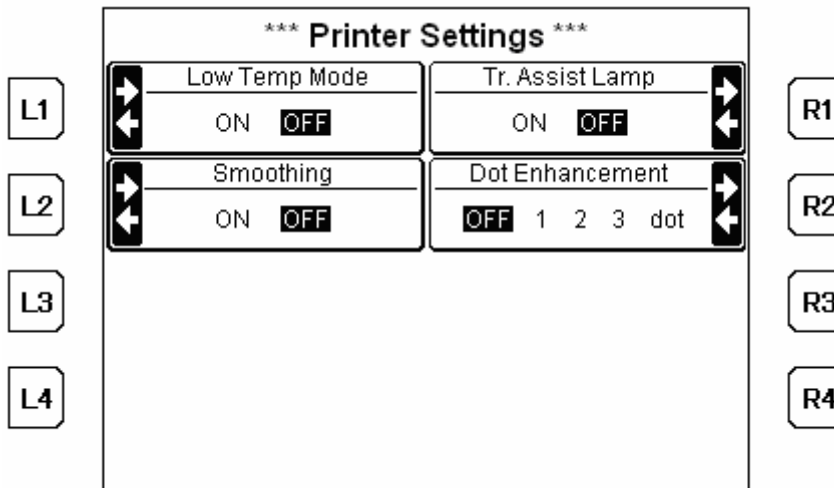
Tr. Assist Lamp

“ON” makes printed images clearer.

Dot Enhancement

“ON” emphasizes isolated dots.

Press the **L4** Key to enter Printer Settings screen.



#### 5.2.5.5 Language

Language settings for the screen displays are provided.

Press the **R1** Key repeatedly and select a proper language.

Press the **Enter** Key to apply the setting.

#### 5.2.6 Service Mode

No operation with the **R4** Key in Menu Mode should be attempted by the customer.

This is for service personnel.

## Copy/Scan Operation Manual

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