

RU-518 FW80 (ENG) v1 220608

1. Introduction

1.1 Title

PA88P ENG 1.00

If you require navigation instructions, you can access the HELP menu at any point during the course.
Click this box to open the HELP menu right away.

RU-518 / RU-518m

Technical Training Course

Supported devices:
RU-518: AccurioPress C6100 series, C3080 series, 6136 series, bizhub PRO 1100
RU-518m: AccurioPress C14000 series, C7100 series, C4080 series, AccurioPrint 2100



Approx. completion time for full course: 1.0 hours
Approx. completion time for newest changelog: 5 minutes

0.01

1.2 Course Overview

Introduction

Course Overview

This course will cover the following topics:

A. Installation	How do I install the RU and HM-103?
B. Theory of Operation <ul style="list-style-type: none">De-curler SectionOutput Paper Density Detection SectionHumidification Section (incl. HM-103)Water Supply Section (incl. HM-103)	Which are the main components and processes?
C. User Operation Basics <ul style="list-style-type: none">Function AccessImportant Functions	Where do I find important functions? And how do I use them?
D. Field Service <ul style="list-style-type: none">Disassembly/ReassemblyPeriodical Maintenance	What is best practice for everyday field service?

This course contains a list of product changes in the **CHANGELOG**. You access this menu at any time and jump to all changes of a product version directly.
Click this box to open the **CHANGELOG** right away.

0.02

1.3 Helpful Materials

Introduction

Helpful Materials

Many slides in this module identify where you can find additional information in the [service manual of AccurioPress C14000](#). If you are servicing another main body, please refer to the respective service manual.

The relay conveyance unit (referred to as "RU") can only be operated when being connected to a compatible main body. Hence, there is no separate service manual for the RU.

Further details can be found in the [installation manuals and user's guides](#). All these manuals are provided by your regional HQ. We recommend to make sure that you have access to the manuals prior to starting this module.



A [printable version](#) of the module slides is available [here](#). You can use it to write down slide-related information while moving through the module, for example.

NOTE: The print version is only supplemental material. It does **not** replace the full information contained in the web-based training.

0.03

1.4 Purpose of Option

Introduction

C.12/13

Purpose of Option

The RU is an in-line option that

- reduces paper curl,
- measures the color density if IQ-501 is not connected and feeds back the information to the image stabilization control of the main body,
- adjusts the line speed from the main body to the finishing options,
- provides a reverse exit function,
- supports banner and envelope printing.

The RU provides a paper exit tray (support tray). Therefore, it can be used for paper output and allows banner and envelope printing for any finisher option configuration.

HM-103 is an option for the RU. If it is installed,

- the de-curling is improved by humidifying the paper that was dried during fusing,
- the static electricity of the paper is neutralized, which prevents the output paper from sticking together.

Please refer to the [Product Specifications M C.12/13](#) for more details on the functions of the RU and HM-103.

0.04

1.5 Supported Main Bodies

Introduction

Supported Main Bodies

RU-518 supports the following main bodies:

- AccurioPress C6100/C6085
- AccurioPress C3080/C3080P/C3070/C3070P/C83hc/C73hc
- AccurioPress 6136/6136P/6120
- bizhub PRO 1100

RU-518m supports the following main bodies:

- AccurioPress C14000/C12000
- AccurioPress C7100/C7090
- AccurioPress C4080/C4070/C4065
- AccurioPrint 2100

NOTE:
The content of this module describes features and functions that are available for the latest firmware of a main body.



0.05

2. Lesson A: Installation

2.1 Overview

Lesson A: Installation

Overview

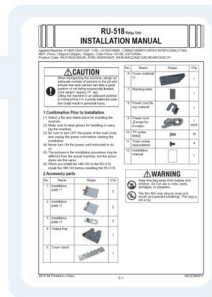
Your first step in handling the device is most likely the installation at your customer's location.

The step-by-step instructions are documented in the installation manuals for

- RU-518,
- RU-518m, and
- HM-103.

Depending on the main body to which the RU is installed, the installation procedure differs.

The following slides will give you a few practical tips on how to handle the installation procedure.



A.01

2.2 General Installation Precautions

Installation

General Installation Precautions

Please remember the following points during the installation:



- Ground yourself and be wary of any static electricity when handling electronic parts.
- Do not touch any of the connectors or contacts with your bare hands – always wear gloves.
- Do not plug in the power cord until you finish the installation.



A.02

2.3 Specific Installation Precautions

Installation

2.0


Specific Installation Precautions

ABC XYZ

The installation process of the RU differs depending on the main body to which it is connected:

- When installing to the C3080 series and the C4080 series, clean the attaching surface with alcohol before attaching ✓ [the heat shield plates](#).
- Make sure to connect the correct connectors, based on the respective main body.

For HM-103, a preparation operation is automatically conducted after the installation or when the humidification mode has not been used for 24 hours or more. This ensures an even and sufficient humidification.
Make sure to conduct the water supply and the rollers rotation during this preparation operation.



A.03

lyr_RU-518_Cleaning (Slide Layer)

Installation

2.0


Specific Installation Precautions

Click icon to add picture Click icon to add picture Click icon to add picture ABC XYZ

The installation process of the RU differs depending on the main body to which it is connected:

- When installing to the C3080 series and the C4080 series, clean the attaching surface with alcohol before attaching ✓ [the heat shield plates](#).
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Make sure to conduct the water supply and the rollers rotation during this preparation operation.



Heat shield plate/1

Heat shield plate/2

3. Lesson B: Theory of Operation

3.1 Overview

Lesson B: Theory of Operation

Overview

This lesson explains the different components that make up the RU unit.

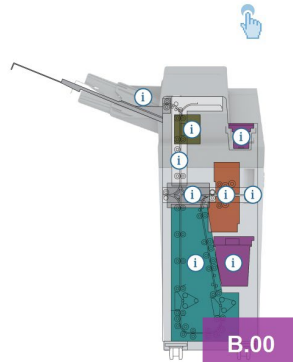
First, the different paper paths are illustrated to show which components are involved in which mode.

Second, the sections of the RU which play a major role for the RU's purpose are described:

- De-curler section
- Output paper density detection section

Third, the optional sections which are part of HM-103 are explained:

- Humidification section (HM-103)
- Water supply section (HM-103)



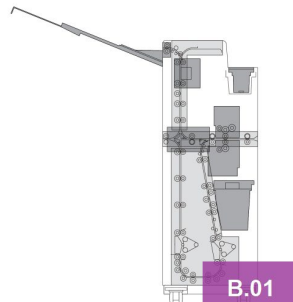
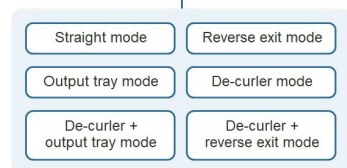
3.2 Paper Path

Theory of Operation

Paper Path

The paper path of the RU differs depending on the mode.

Click the modes to have a look at the different paper paths.



lyr_PaperPath_Straight (Slide Layer)

Theory of Operation

Paper Path

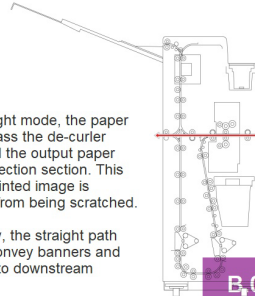
The paper path of the RU differs depending on the mode.

Click the modes to have a look at the different paper paths.

- | | |
|------------------------------|-------------------------------|
| Straight mode | Reverse exit mode |
| Output tray mode | De-curler mode |
| De-curler + output tray mode | De-curler + reverse exit mode |

In the straight mode, the paper does not pass the de-curler section and the output paper density detection section. This way, the printed image is prevented from being scratched.

Additionally, the straight path allows to convey banners and envelopes to downstream options.



B₀₁

lyr_PaperPath_OutputTray (Slide Layer)

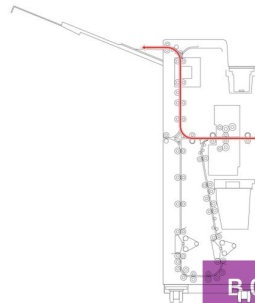
Theory of Operation

Paper Path

The paper path of the RU differs depending on the mode.

Click the modes to have a look at the different paper paths.

- | | |
|------------------------------|-------------------------------|
| Straight mode | Reverse exit mode |
| Output tray mode | De-curler mode |
| De-curler + output tray mode | De-curler + reverse exit mode |



B₀₁

lyr_PaperPath_Reverse (Slide Layer)

Theory of Operation

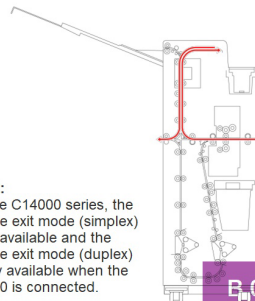
Paper Path

The paper path of the RU differs depending on the mode.

Click the modes to have a look at the different paper paths.

- | | |
|------------------------------|-------------------------------|
| Straight mode | Reverse exit mode |
| Output tray mode | De-curler mode |
| De-curler + output tray mode | De-curler + reverse exit mode |

NOTE:
For the C14000 series, the reverse exit mode (simplex) is not available and the reverse exit mode (duplex) is only available when the TU-510 is connected.



B₀₁

lyr_PaperPath_DeCurler (Slide Layer)

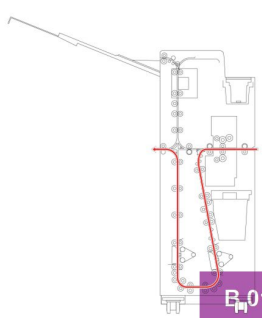
Theory of Operation

Paper Path

The paper path of the RU differs depending on the mode.

Click the modes to have a look at the different paper paths.

Straight mode	Reverse exit mode
Output tray mode	De-curler mode
De-curler + output tray mode	De-curler + reverse exit mode



Click icon to add picture Click icon to add picture Click icon to add picture

lyr_PaperPath_DeCurler-OutputTray (Slide Layer)

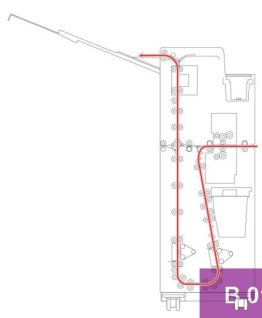
Theory of Operation

Paper Path

The paper path of the RU differs depending on the mode.

Click the modes to have a look at the different paper paths.

Straight mode	Reverse exit mode
Output tray mode	De-curler mode
De-curler + output tray mode	De-curler + reverse exit mode



Click icon to add picture Click icon to add picture Click icon to add picture

lyr_PaperPath_DeCurler-Reverse (Slide Layer)

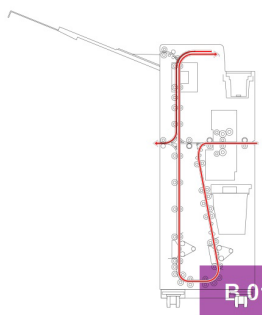
Theory of Operation

Paper Path

The paper path of the RU differs depending on the mode.

Click the modes to have a look at the different paper paths.

Straight mode	Reverse exit mode
Output tray mode	De-curler mode
De-curler + output tray mode	De-curler + reverse exit mode




Click icon to add picture Click icon to add picture Click icon to add picture

4. De-curler Section

4.1 Overview

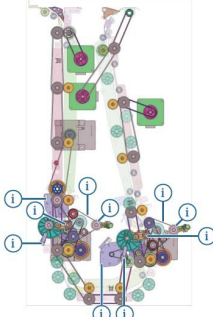
1. De-curler Section

P > RU-518m > 3 

Overview

The purpose of the de-curler section is the mechanical de-curling of the paper.

Using de-curler belts, the concave or convex curling of the paper is corrected.



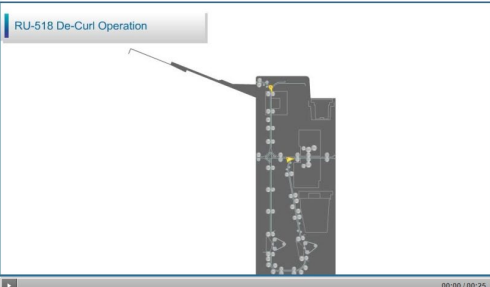
B.03.01

4.2 De-curling Process

1. De-curler Section

De-curling Process

RU-518 De-Curl Operation



This video shows the operation of the de-curler section.

B.03.02

5. Output Paper Density Detection Section

5.1 Overview

2. Output Paper Density Detection Section

8.0

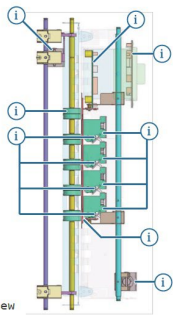
Overview

The purpose of the output paper density detection section is to measure the color density.

For this, LED light is emitted on a test pattern. The reflected light is detected by a lens and then measured by the color density detection board.

The data are then fed back to the gamma correction of the image stabilization control of the main body.

NOTE: The output paper density detection section is not included in the RU-518m WY3. Therefore, the WY3 is recommended for configurations in which the color sensor of RU-518m is not used, that means when IQ-501 is connected and for the 2nd device RU-518m. WY3 is not provided for BEU and BUS markets.



Top side view

B.04.01

6. Humidification Section (HM-103)

6.1 Overview

3. Humidification Section (HM-103)

P > RU-518m > 9 M

Overview

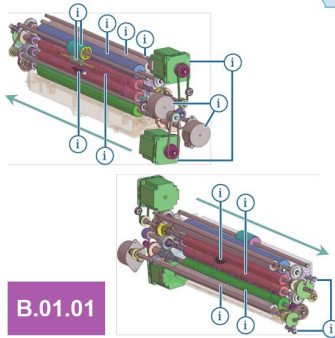
The humidification section is part of HM-103. It's main purpose is to improve the de-curling of the paper.

For this, the paper is humidified.

Additionally, the humidification neutralizes the static electricity of the paper, which prevents the output paper from sticking together.

The RU can be used in humidification mode or without, therefore HM-103 is optional.

With HM-103, all types of paper can be humidified.



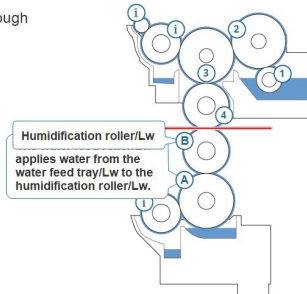
B.01.01

6.2 Humidification Conveyance

3. Humidification

Humidification Conveyance

The paper is humidified when it passes through the humidification roller/Up [1-4] and the humidification roller/Lw [A-B].



B.01.02

6.3 Humidification Roller Pressure Release Control

3. Humidification

Humidification Roller Pressure Release Control

Depending on the humidification mode and the timing in the humidification process, the pressure of the rollers in the section differs. This affects the amount of water that is conveyed and therefore the humidification amount.

Normal vs. increased humidification

Normal vs. no humidification

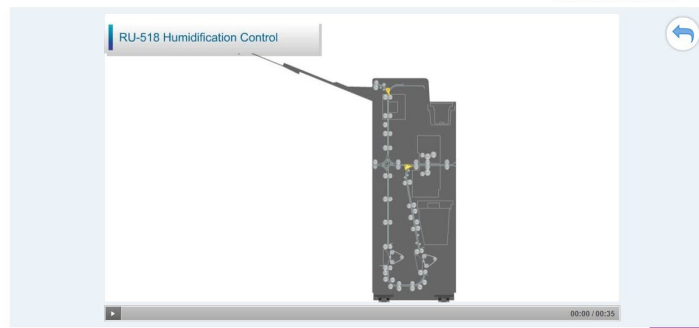
Click the humidification modes to watch a video of each operation.

B.01.03

lyr_Increased_Humidification (Slide Layer)

3. Humidification

Humidification Roller Pressure Release Control



.03

lyr_No_Humidification (Slide Layer)

3. Humidification

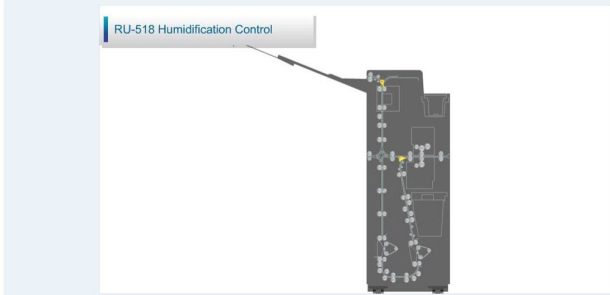
Humidification Roller Pressure Release Control

Click icon to add picture

Click icon to add picture

Click icon to add picture

RU-518 Humidification Control



00:00 / 00:35

03

7. Water Supply Section (HM-103)

7.1 Overview

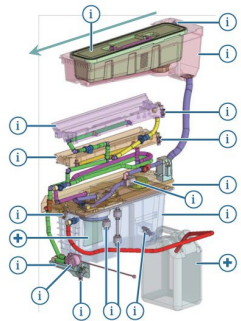
4. Water Supply Section (HM-103)

PF > RU-518m > 8 **M**

Overview

The water supply section is part of HM-103. Its purpose is to provide the water for the humidification section.

HM-103 is equipped with a detection mechanism to prevent water leakage within the machine. If one of the sensors is activated, a malfunction code appears.



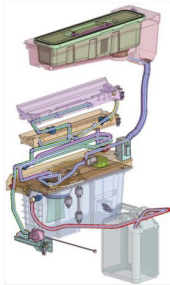
B.02.01


7.2 Water Supply Process

4. Water Supply (HM-103)

Water Supply Process

The water is supplied via 5 water feed paths.





Click the button to have a more detailed look at the different water feed paths.

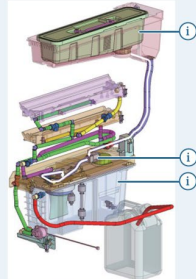
B.02.02

lyr_WaterPath_1 (Slide Layer)

4. Water Supply (HM-103)

Water Supply Process

The water is supplied via 5 water feed paths.



Water feed path/1:
Water flows by its own weight from the water supply tank to the water storage tank.
The water flow is controlled by the water feed control solenoid (SD4).

1 / 5

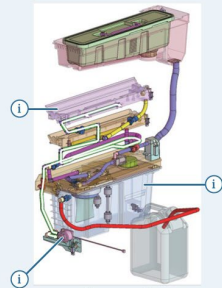
.02

lyr_WaterPath_2 (Slide Layer)

4. Water Supply (HM-103)

Water Supply Process

The water is supplied via 5 water feed paths.



Water feed path/2:
Water is fed from the water storage tank to the water feed tray/Up.
The pump motor (M401) pushes up the water.

2 / 5

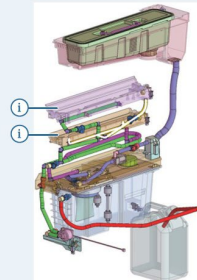
.02

lyr_WaterPath_3 (Slide Layer)

4. Water Supply (HM-103)

Water Supply Process

The water is supplied via 5 water feed paths.



Water feed path/3:
Water flows by its own weight from the water feed tray/Up to the water feed tray/Lw, when the water volume inside the water feed tray/Up exceeds a certain amount.

3 / 5

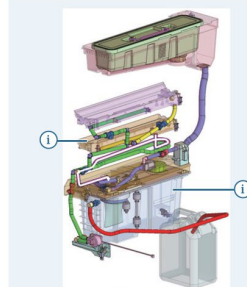
.02

lyr_WaterPath_4 (Slide Layer)

4. Water Supply (HM-103)

Water Supply Process

The water is supplied via 5 water feed paths.



Water feed path/4:
Water flows by its own weight from the water feed tray/Lw to the water storage tank, when the water volume inside the water feed tray/Lw exceeds a certain amount.

4 / 5

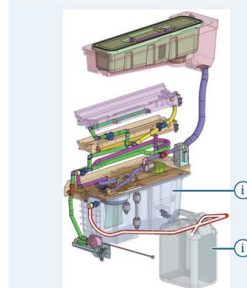
.02

lyr_WaterPath_5 (Slide Layer)

4. Water Supply (HM-103)

Water Supply Process

The water is supplied via 5 water feed paths.



Water feed path/5:
This water feed path is normally not used.
Water flows by its own weight from the water storage tank to the external tank, when the water volume inside the water storage tank exceeds a certain amount due to an abnormality.

5 / 5

.02

7.3 Progress

Lesson B: Theory of Operation

Progress



This ends Lesson B: Theory of Operation.

The next lesson will introduce you to user operation basics.

You are now about halfway through the module. This would be a good opportunity for a break.

If you are ready to continue, click the [NEXT >](#) button.

B.04.02

8. Lesson C: Operator Basics

8.1 Overview

Lesson C: User Operation Basics

Overview

This lesson will focus on giving you the required background knowledge about **important functions**.

First, you will learn where to find these functions on the device panel. Then, important functions are explained in more detail.

You can find further information on these topics in the user's guide.

Especially keep in mind that

- only decontaminated tap water, mineral water, or ionized alkaline water must be used for HM-103.
- you can use aqua conditioner to reduce the charging of the paper.
- the water supply tank can be removed and refilled with water during a print job.



C.01

8.2 Function Access

Lesson C: User Operation Basics

Function Access

On the **device panel**, you can access the quality adjustment functions and their respective settings. From here, you can

- enable/disable functions and
- change settings.



The **print driver** allows you to

- select the exit tray of the RU as the output tray and
- set the output order to **[Face Up]** to enable simplex banner printing.



C.02

lyr_DevicePanel_Start (Slide Layer)

Lesson C: User Operation Basics

Function Access

The functions that are related to the color density measuring are located in two sections: [Utility/Counter] and [Adjustment].

Click this button to see which functions can be accessed here.

Click this button to see which functions can be accessed here.

Click this button to access the curl adjustment settings.



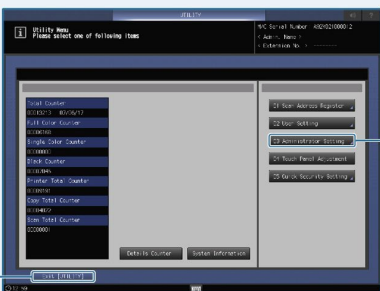
lyr_Utility_1 (Slide Layer)

Lesson C: User Operation Basics

Function Access

Click this button to exit the Utility Menu.

Click this button to access the Administrator Setting.



lyr_Utility_2 (Slide Layer)

Lesson C: User Operation Basics

Function Access

Click this button to exit the Utility Menu.

Click this button to access the System Setting.

Click this button to return to the Utility Menu.

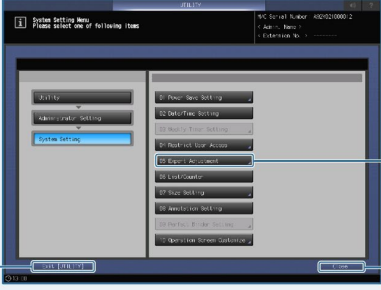


lyr_Utility_3 (Slide Layer)

Lesson C: User Operation Basics

Function Access

Click icon to add picture Click icon to add picture ABC XYZ



Click this button to exit the Utility Menu.

Click this button to access the Expert Adjustment.

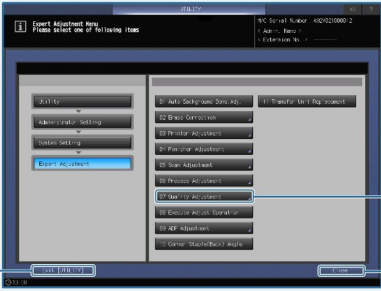
Click this button to return to the Administrator Setting.

lyr_Utility_4 (Slide Layer)

Lesson C: User Operation Basics

Function Access

Click icon to add picture Click icon to add picture ABC XYZ



Click this button to exit the Utility Menu.

Click this button to access the Quality Adjustment.

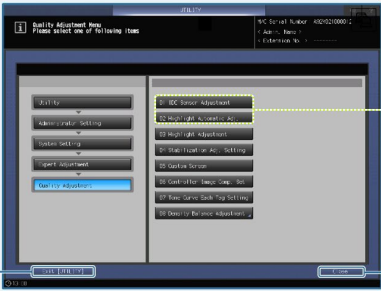
Click this button to return to the System Setting.

lyr_Utility_5 (Slide Layer)

Lesson C: User Operation Basics

Function Access

Click icon to add picture Click icon to add picture ABC XYZ



Click this button to exit the Utility Menu.

Here you can access the IDC Sensor Adjustment and the Highlight Automatic Adjustment.

Click this button to return to the Expert Adjustment.

lyr_Adjustment_1 (Slide Layer)

Lesson C: User Operation Basics

Function Access

Click icon to add picture Click icon to add picture ABC XYZ

Click this button to access the Quality Adjustment.

Click this button to exit the Adjustment Menu.

lyr_Adjustment_2 (Slide Layer)

Lesson C: User Operation Basics

Function Access

Click icon to add picture Click icon to add picture ABC XYZ

Click this button to exit the Adjustment Menu.

Here you can access the Maximum Density Adjustment, the Maximum Density Auto Adjustment, and the Color Density Control.

Click this button to return to the Adjustment Menu.

lyr_CurlAdj (Slide Layer)

Lesson C: User Operation Basics

Function Access

Click icon to add picture Click icon to add picture ABC XYZ

Here, you can activate the humidification.

Click one of these buttons to return to the main screen.

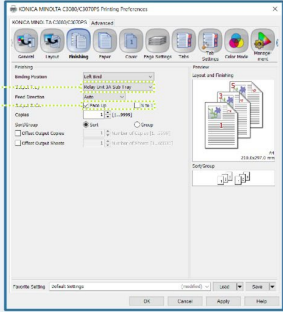
lyr_PrintDriver (Slide Layer)

Lesson C: User Operation Basics

Function Access

The exit tray of the RU can be selected here.

Due to the length of banners, reverse exit is not possible for banner printing. Therefore, [Face Up] needs to be selected for simplex banner printing.



8.3 Important Functions

Lesson C: User Operation Basics

Important Functions

The RU enables several adjustments and controls to ensure a smooth and consistent operation:

- Curl Adjustment
- Color Density Control
- Maximum Density Automatic Adjustment
- Maximum Density Adjustment
- IDC Sensor Adjustment
- Highlight Automatic Adjustment

The following slides will explain these functions and how to perform them.



C.03

8.4 Curl Adjustment

Important Functions

5.0

Curl Adjustment

The purpose of the **curl adjustment** is to improve the quality of the paper output for different paper types.

- For the mechanical curl adjustment, different curl adjustment strength levels can be selected.
- For the curl adjustment by humidification, HM-103 can be set ON.

These settings can be defined in a paper profile for each tray.

With RU-518 and RU-518m, the curl adjustment values can be changed during a print job being printed (real-time curl adjustment).

With RU-518m, the curl adjustment values can be accessed remotely (for example via tablet) to improve user operability.



Click the magnifier icon on the picture to zoom in.

C.04

8.5 Color Density Control

Important Functions

R.2.2.10 M



Color Density Control

The **color density control (CDC)** adjusts the halftone.

If the RU is used for the CDC, the density data reflect the status of the 2nd transfer unit and the fusing unit as well as the characteristics of the paper. The color sensors of the RU are only used if IQ-501 is not connected to the main body.

There are two color density correction modes which influence the number of output chart sheets:

- In precise mode, the 1st color (CMYK) and the 2nd color (RGB3C) are corrected.
- In normal mode, only the 1st color (CMYK) is corrected.

Click this button to switch to the next page of this menu.

C.05

Color Density Control - Page 2 (Slide Layer)

Important Functions

R.2.2.10 M


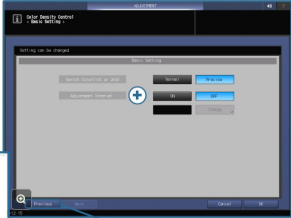
Color Density Control

The **color density control (CDC)** adjusts the halftone.

If the RU is used for the CDC, the density data reflect the status of the 2nd transfer unit and the fusing unit as well as the characteristics of the paper. The color sensors of the RU are only used if IQ-501 is not connected to the main body.

There are two color density correction modes which influence the number of output chart sheets:

- In precise mode, the 1st color (CMYK) and the 2nd color (RGB3C) are corrected.
- In normal mode, only the 1st color (CMYK) is corrected.

Click this button to return to the previous page of this menu.

8.6 Maximum Density (Initial) Auto Adjustment

Important Functions


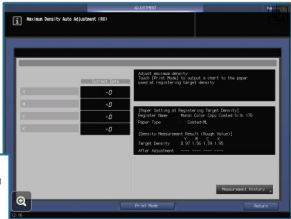
I.4.4.15 M

Maximum Density (Initial) Auto Adjustment

The **maximum density (initial) auto adjustment** allows the maximum density (Dmax) for each color (CMYK) to be adjusted automatically. The color sensors of the RU are only used if IQ-501 is not connected to the main body.

NOTE:

- Before the Maximum density auto adjustment, the desired maximum density values have to be set in Service Mode.
- A registered paper has to be used for a correct adjustment.
- After the Maximum density auto adjustment, the Color density control has to be executed and the Image controller needs to be calibrated.

Click the magnifier icon on the picture to zoom in.

C.06

8.7 Maximum Density (Initial) Adjustment

Important Functions

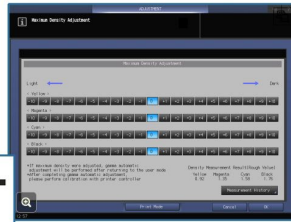
I.4.4.14 M

Maximum Density (Initial) Adjustment

The maximum density (initial) adjustment (MDA) has the same purpose as the Maximum density auto adjustment (MDAA).

But with the MDA, the values have to be adjusted manually.

NOTE:
Therefore, when the MDAA is available (which is the case when the RU is connected), it is not recommended to conduct the MDA.



Click the magnifier icon on the picture to zoom in.

C.07

8.8 IDC Sensor Adjustment

Important Functions

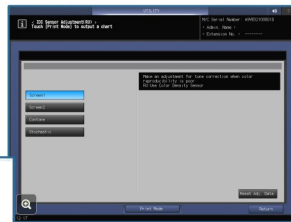
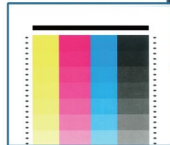
I.4.3.35 M

IDC Sensor Adjustment

With the IDC sensor adjustment, the IDC sensor is corrected in order to allow a proper gamma correction.

The RU only measures the test pattern if IQ-501 is not connected to the main body.

Based on the result, the IDC sensor makes automatic adjustments.



Click the magnifier icon on the picture to zoom in.

C.08

8.9 Highlight Auto Adjustment

Important Functions

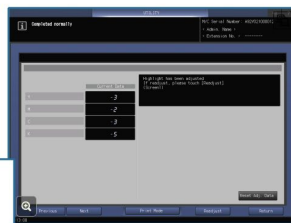
I.4.3.36 M

Highlight Auto Adjustment

The highlight auto adjustment changes the printer gamma curve to adjust the gradation in a highlight area and the background density.

The RU only measures the test pattern if IQ-501 is not connected to the main body.

Based on the result, the adjustments are made automatically.



Click the magnifier icon on the picture to zoom in.

C.09

9. Lesson D: Field Service

9.1 Overview

Lesson D: Field Service

Overview

This lesson will focus on giving you practical advice for every day field service operations.

The following slides encompass:

- Disassembly and Reassembly
- Periodical Maintenance
- Troubleshooting



D.01

9.2 Disassembly and Reassembly

Lesson D: Field Service

G.11

Disassembly and Reassembly

Device disassembly and reassembly should always follow the correct instructions G.11.

These instructions contain precautions and warnings as well as detailed descriptions of the different procedures.

Especially, make sure

- to not touch the sensors of the option and
- to handle the water components with caution.
- to install the EEPROM (IC6) from the old board to the new board when the RU control board has been replaced.



D.02

9.3 Periodical Maintenance

Lesson D: Field Service

E, F **M**

Periodical Maintenance

The first reference for periodical maintenance is the information given in the service manual.

It lists

- Maintenance items and maintenance intervals [F.1.11–13](#),
- Periodical maintenance procedures [F.10](#),
- and the required service materials, jigs and tools [E.1.1–1.3](#).



D.03

9.4 Troubleshooting

Lesson D: Field Service

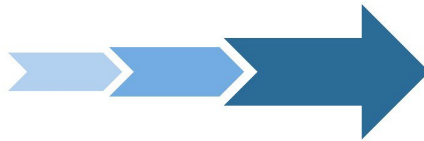
I, K **M**

Troubleshooting

First reference for troubleshooting is the service manual:

- I/O codes [M.1.4.7.5](#)
- Jam codes [M.K.1](#)
- Malfunction codes [M.K.2.5–K.2.28](#)
- Checklists for other trouble [M.K.3.4.1](#)
- ICP lists [M.K.5.2.5–K.5.2.6](#) and
- Mechanical adjustments [M.1.13](#).

Dip switches [M.1.4.5.2–1.4.5.7](#) can help to isolate the cause for a particular output trouble.



D.04

9.5 Progress

Lesson D: Field Service

Progress



You have almost reached the end of this module! The last few slides feature a quiz that will help you test your knowledge about this module.

We recommend that you take a break before attempting the quiz.

If you are ready to continue, click the [NEXT >](#) button.

D.05

11. Congratulations

11.1 Congratulations



Congratulations!

You have finished the RU-518 / RU-518m technical training module.

- ✓ Installation
- ✓ Theory of Operation
 - De-curler Section
 - Output Paper Density Detection Section
 - Humidification Section
 - Water Supply Section
- ✓ User Operation Basics
 - Important Functions
 - Function Access
- ✓ Field Service
 - Disassembly and Reassembly
 - Periodical Maintenance
 - Troubleshooting


Z.01

12. Changelog

12.1 Changelog

Module Updates

Changelog



Click on the version number to see the changes and access the changed slides directly. When you open a changelog, you also activate **highlighting** for these changes throughout in the module. You can restart the module without highlighting via the button on the lower left.

- ✓ [Changes FW1.0 → FW2.0](#)
- ✓ [Changes FW2.0 → FW3.0](#)
- ✓ [Changes FW3.0 → FW5.0 \(incl. RU-518m\)](#)
- ✓ [Changes FW7.0 → FW8.0](#)

Remove all highlighting
WARNING: Restarts module

lyr_changelog-RU518_FW20 (Slide Layer)

Module Updates

Changelog



Significant changes FW1.0 → FW2.0:

- ⇒ A ⇒ [preparation operation for the humidification](#) PF 9.3.1 is automatically conducted after installation and when the humidification mode was not used for 24 hours or more. The purpose is to ensure an even and sufficient humidification.

Remove all highlighting
WARNING: Restarts module

lyr_changelog-RU518_FW30 (Slide Layer)

Module Updates

Changelog



Remove all highlighting
WARNING: Restarts module

Click icon to add picture

Click icon to add picture

Click icon to add picture

ABC XYZ


Significant changes FW2.0 → FW3.0:

- If an **FD-503** or a **PI-502** is connected directly after the RU-518, the **RU-510** must be installed between them. Otherwise, the paper exit tray of the RU-518 cannot be used.

lyr_changelog-RU518m_FW50_1 (Slide Layer)

Module Updates

Changelog



Remove all highlighting
WARNING: Restarts module

Click icon to add picture

Click icon to add picture

Click icon to add picture

ABC XYZ

Significant changes FW3.0 → FW5.0 (incl. RU-518m):

- The **curl adjustment function** can now be accessed remotely. That allows to adjust the values via tablet. This improves user operability, because it is no longer necessary to go back and forth between the paper exit tray and the operation panel.
- The maximum paper weight that can be conveyed was increased to 450 g/m² in straight mode **C.12**.
- In the **reverse exit section** **P > RU-518m > 4**, the paper path was optimized to prevent printed images from being scratched. Due to these changes, the reverse empty sensor (PS9) was removed.
- In the **conveyance path switching section** **P > RU-518m > 7**, rollers were added as well to prevent scratches.

lyr_changelog-RU518m_FW50_2 (Slide Layer)

Module Updates

Changelog



Remove all highlighting
WARNING: Restarts module

Click icon to add picture

Click icon to add picture

Click icon to add picture

ABC XYZ

Significant changes FW3.0 → FW5.0 (incl. RU-518m):

- Three **fans** have been improved to enhance the cooling power.
- This causes a higher power consumption which leads to a higher temperature in the power supply section. To cool the power supply section, a **new fan** has been added.
- The **maintenance period** of many periodical maintenance items of HM-103 and RU-518m was extended **F.1.11–F.1.13**.

lyr_changelog-RU518m_FW80 (Slide Layer)

Module Updates

Changelog



Remove all highlighting
WARNING: Restarts module

Click icon to add picture

Click icon to add picture

ABC XYZ

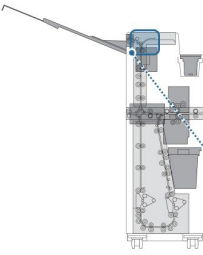
Changes FW7.0 → FW8.0:

- A new area code was added to the RU-518m: WY3. The output paper density detection section was removed in the WY3.
Note: WY3 is not provided for BEU and BUS markets.

12.2 Reverse Exit Section

Changes in FW5.0 (incl. RU-518m)

Reverse Exit Section



New roller

Slope in the paper path

New roller

New rollers

RU-518m

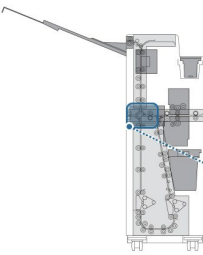
Reverse empty sensor (PS9)

RU-518

12.3 Conveyance Path Switching Section

Changes in FW5.0 (incl. RU-518m)

Conveyance Path Switching Section



Several new rollers have been added

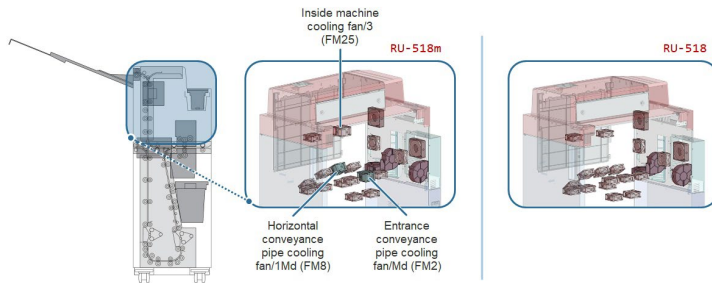
RU-518m

RU-518

12.4 Fan Control – Improved Fans

Changes in FW5.0 (incl. RU-518m)

Fan Control – Improved Fans



12.5 Fan Control – New Fan

Changes in FW5.0 (incl. RU-518m)

Fan Control – New Fan

