

Introduction

Thank you very much for your purchase of our Uninterruptive Ink Supply System "UISS-12" (hereafter called as the device). Please read this manual carefully, especially caution on the reverse for your safety and effective use of the device.

1. On the device

This device enables to supply the uninterrupted inks to the JV3 series for many hours. By auto-switching valve on each ink cartridge, it enables to use 3 cartridges (4 cartridges for a JV3-S series) uninterrupted. In case the valve is closed, the ink cartridge is changeable even if during plotting. Attach the device on both sides (left unit and right unit) of the plotter. There are 4 ink supply system (3 system for a JV3-S series) on each unit.

2. Model

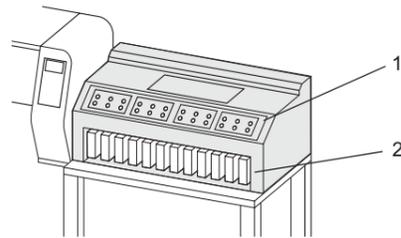
The model names and the supported plotters are described below.

Model name	Supported Plotter
UISS-12-SP4	JV3-SP series with 4 Color
UISS-12-SP6	JV3-SP series with 6 Color
UISS-12-S6	JV3-S series

3. Parts names and the function

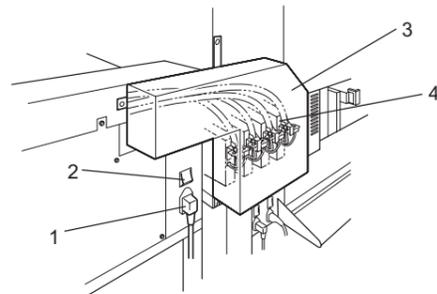
The parts name and the functions are described below.

3.1 Front



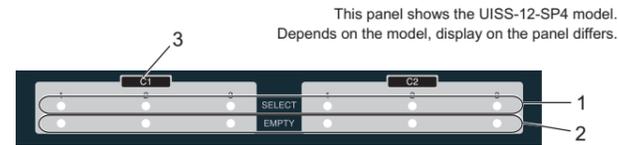
1	LED Panel	Indicates the condition of each ink cartridge. (3.3 LED Panel)
2	Cartridge slot	Set the specified ink cartridge. There are 12 slots on the device.

3.2 Rear



1	AC inlet	Connects the supplied cable.
2	Power switch	The main power of the device. Always-on the device.
3	Dummy cartridge cover	Cover for protecting a dummy cartridge. Do not remove the cover except a service person or his directions.
4	Dummy cartridge	Set on the ink station of a plotter to supply ink. The device is controlled by the plotter. Depends on the model, there are 3 or 4 dummy cartridges in the dummy cartridge cover.

3.3 LED Panel



Any of the grouped ink cartridge supplies the ink to a dummy cartridge.

1	Select LED (green)	Ink cartridge that supplies ink is lighted in green. Make sure not to pull out the lighting ink cartridge.
2	Empty LED (red)	Blinking : INK NEAR END Lighting : INK END or Cartridge error
3	Ink supplied cartridge	Display the connected dummy cartridge with the ink cartridge.

4. Exchange of the ink cartridge

If the Empty LED is lighting, promptly exchange the ink cartridge with the new one. In case cannot exchange the ink cartridge promptly, do not just pull out the ink cartridge, but replace it after the new one is prepared.

- ⚠ Do not leave the cartridge slot with no ink cartridge in it, or it may interfere with the ink supply system, such as ink clogging in the device.
- ⚠ If all ink cartridges (in the same group) that supply the ink to the one dummy cartridge are INK END, it stops to plot. Normally, even if one ink cartridge is getting low, the plot operation is continuing as switching to the next ink cartridge.
- ⚠ In case a newly attached ink cartridge status is almost near end, it may interrupt ink supply operation.

< Procedure >

- Prepare same color ink cartridge with the ink cartridge on which the Empty LED (red) is lighting.
 - If the Empty LED is blinking (Ink near end occurring), it is available until the ink end. When no ink remains in the cartridge, ink replacement is automatically performed.
- Pull out the ink cartridge after confirming the Select LED (green) is lighting out.
- Insert the new ink cartridge.

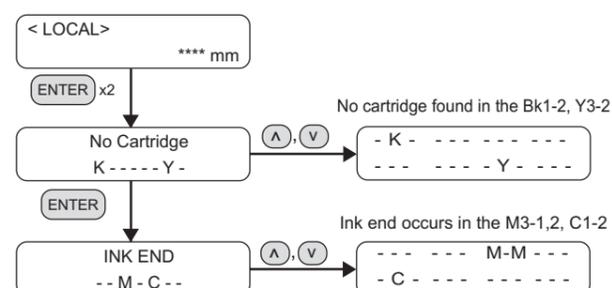
5. Display on the plotter

Remaining amount of the ink displayed on the RIP software and LCD on the plotter indicates the ink cartridge currently being supplied. (Refer to the JV3 operation manual and the RIP software operation manual.)

< When confirming errors in the ink cartridge on the device >

- Push the ENTER key in the Local mode.
- Confirm errors occurring on the UISS and the condition of the cartridge. (For detail information on the error, refer to the JV3 operation manual.)

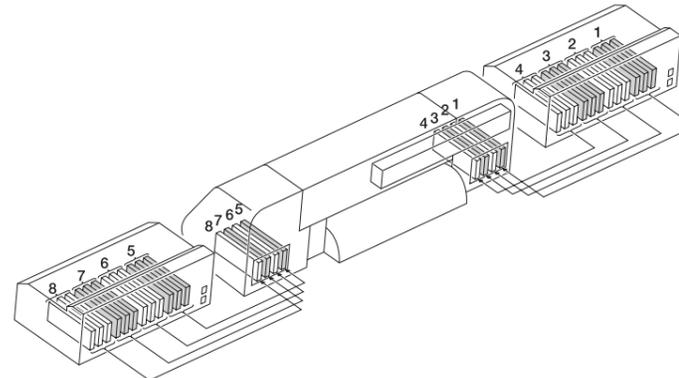
Errors when connecting to the UISS-12-SP4



6. Ink Station Attachment diagram

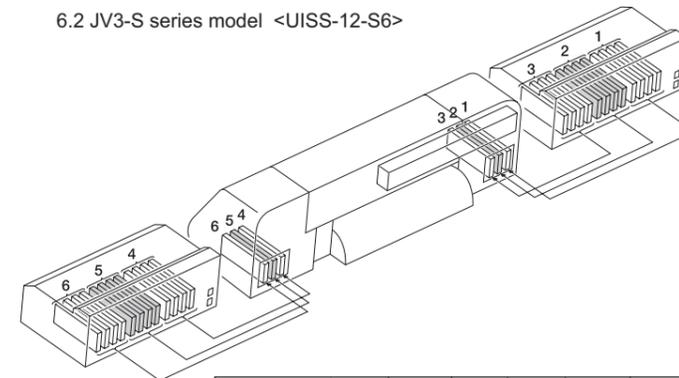
The attachment diagram of device and the plotter is described below.

6.1 JV3-SP series model <UISS-12-SP4 / UISS-12-SP6>



	1	2	3	4	5	6	7	8
UISS-12-SP4	Bk1 Black	Bk2 Black	M3 Magenta	M4 Magenta	C1 Cyan	C2 Cyan	Y3 Yellow	Y4 Yellow
UISS-12-SP6	1 Black	2 Magenta	3 Cyan	4 Yellow	1 Light Cyan	2 Light Magenta	3 Wash Liquid	4 Wash Liquid

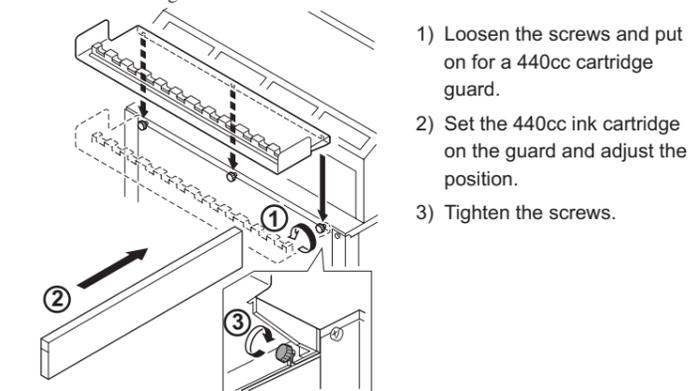
6.2 JV3-S series model <UISS-12-S6>



	1	2	3	4	5	6
UISS-12-SP6	1 Black	2 Magenta	3 Cyan	4 Yellow	1 Light Cyan	2 Light Magenta

7. When using the 440cc ink cartridges

When using the 440cc ink cartridges, make sure to attach the guard for the 440cc cartridge.

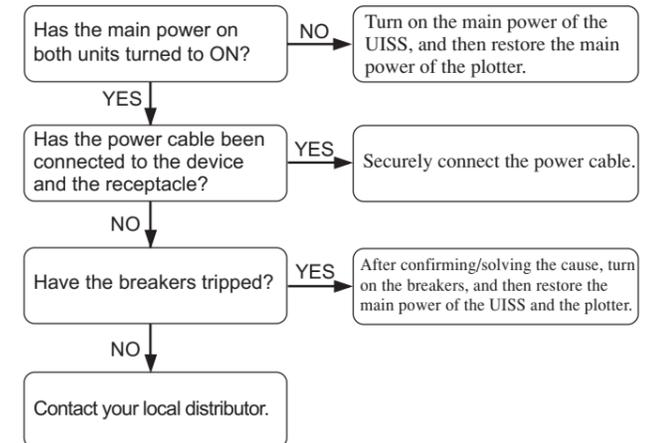


8. Restrictions

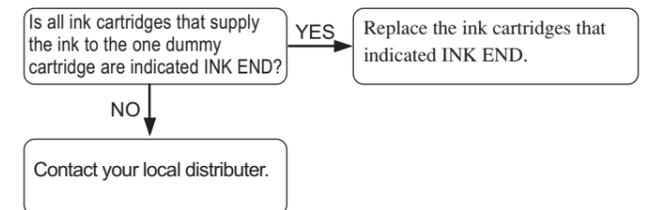
[HEAD WASH] cannot be performed with the device (UISS) attached. Ink set cannot be changed with the device (UISS) attached. Please ask your dealer for removing the device to perform the operations above.

9. Troubleshooting information

The device does not work as displaying the "UISS (RIGHT)" or "UISS (LEFT)" on the LCD of the plotter.

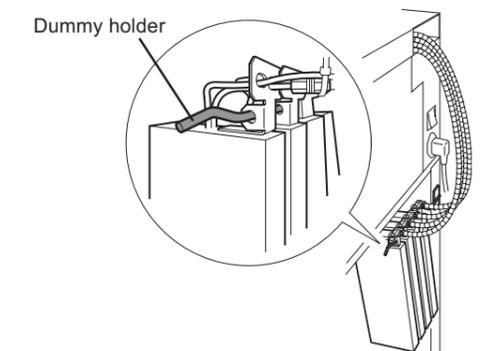


Fails to plot (Fails to start a plot operation)



10. When not in use the dummy cartridge ...

When not in use the dummy cartridge, hook it on the dummy holder as shown below. Perform the operation at the direction of a service person.



11. Specifications

Model	UISS-12-SP4 / UISS-12-SP6 / UISS-12-S6	
Recommended	Available temp.	20°C to 35°C
	Humidity	35 to 65%Rh (No condensation)
Safety Standard	UL, VCCI-ClassA, FCC-ClassA, CEmarking, CEreport	
Power	100 - 240V 10%, 50/60Hz	
Power consumption	70 VA or less (Per an unit)	
Outside dimensions (mm)	696(W) x 626(D) x 1091(H) (Per an unit, excluding the dummy cartridge part)	
Weight	40 kg (Per an unit, when ink is not filling)	

For your safety

Pictorial signs

Pictorial signs are used in this manual for your safety operation of and in prevention of damages to the device.

Read and fully understand before the signs reading text.

 The symbol  indicates the case where some phenomenon that requires a CAUTION sign (including "DANGER" and "WARNING" signs) exists. A concrete precaution (precaution against an electric shock in the case of the sketch given on the left) is shown in the illustration.

 The symbol  indicates a prohibited behavior. A concrete illustration of prohibition (disassembly is prohibited in the sketch given on the left) is shown in or next to the illustration.

 The symbol  indicates a thing that is forced to be done and instruction that is forced to be followed. A concrete illustration of instruction (the removal of a plug from the receptacle is instructed in the sketch given on the left) is drawn in the illustration.

Warning / Caution

WARNING

Handling of Ink

-  The ink used for this device contains organic solvent. Since the ink is flammable, never use fire when using the device.
-  Make sure to setup the appropriate air-moving system in case of using the device in a closed room or a room with bad ventilation. If you absorb a lot of vapor and feel bad, immediately move to a location where fresh air is present and then keep yourself warm and quiet. Then, consult a doctor as soon as possible.
-  If anyone drinks ink in mistake, keep him or her quiet and see a doctor immediately. Do not allow him or her drink vomit. Then, contact the Poison Control Center.
-  Ink is organic solvent. If ink settles on the skin or clothes, immediately wash it off with detergent or water. If you get ink in your eyes, immediately wash your eyes with a lot of clean water for at least 15 minutes. In this case, also wash the backside of eyelids to rinse ink away completely. Then, consult a doctor as soon as possible.
-  Store ink cartridges in a place that is out of the reach of children.

Do not disassemble or remodel the device

-  Never disassemble or remodel the main unit of the device and the ink cartridge. Disassembling/remodeling any of them will result in electric shocks or breakdown of the device.

Do not use the device in damp places

-  Avoid damp environments when putting the device into service. Do not splash water onto the device. High-humidity or water will give rise to fire, electric shocks or breakdown of the device.

Abnormal event occurs

-  If the device is used under an abnormal condition where the device produces smoke or unpleasant smell, fire or electric shocks can result. Be sure to turn off the power switch immediately and detach the plug from the receptacle. Check first to be sure that the device no longer produces smoke, and contact a distributor in your district for repair. Never repair your device by yourself since it is very dangerous for you to do so.

Power supply and voltage

-  Be sure to use the device with the power supply specifications indicated. Set voltage selectors according to the power voltage to be used. To avoid fires or electrical shocks, the power cables must be plugged to separate receptacles that are grounded separately.

Handling of the power cable

-  Use the supplied power cable.
-  Take care not to damage, break or work on the power cable. If a heavy matter is placed on the power cable, heated or drawn, the power cable can break to cause fire or electric shocks.

CAUTION

About the device

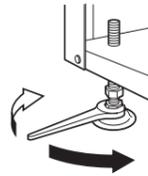
-  This is the exclusive device for JV3 series.
-  The device does not operate with only one side.
-  Make sure to set all dummy ink cartridges in a printer to supply all kinds of inks from the device.
-  Make sure to set ink cartridges in a slot of the unit even when not using the unit. If the ink cartridges are unset, needles of the device or the ink in the tube may condense, failure in outputting.

Power supply

-  Leave the breaker turned ON. Do not turn OFF the power switch on the rear face. In case turning off the power, it causes the printer error, and cannot perform the normal operations, such as regular cleaning operation.

Adjustment the level foot

-  Make sure to fasten the level foot before performing a plot operation. In case starting a plot operation without adjusting the level foot, the device may move.



Use the specified ink

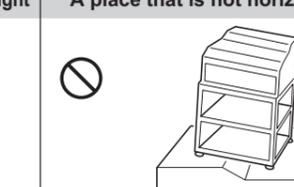
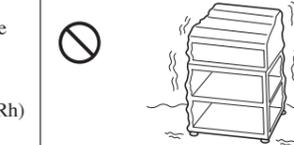
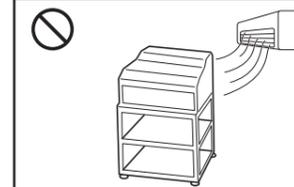
-  Use the JV3 genuine ink. The plotter does not operate with other ink than the JV3 genuine ink.
-  Do not use the JV3 genuine ink on other plotters, or it may cause damage to the plotters.

Ink cartridges

-  If the ink cartridge is moved from a cold place to a warm place, leave it in the room temperature for three hours or more before using it.
-  Open the ink cartridge just before use. If it is opened and left for an extended period of time, normal printing performance of the plotter may not be ensured.
-  Make sure to store ink cartridges in a cold and dark place.
-  Once opened the ink cartridge, make sure to thoroughly consume the ink in the ink cartridge, within three months. If an extended period of time has passed away after opening the cartridge tank, it may result in on inferior printing.
-  Only the genuine ink is available.
-  Never refill the ink cartridge with ink.

-  Neither pound the ink cartridge nor shake it violently, or the ink leak may occur.
-  Do not touch or stain the contacts of the ink cartridge, or it may damage to the print circuit board.
-  This device is applied to the 4.4.8 section on the UL1950 or UL6950. Make sure the maximum total quantity of the attached ink is 5000cc. Totally, 9 cartridges of 440cc and 3 cartridges of 220cc are attachable on the device.
-  Make sure to attach the ink cartridge are attachable on the device. In case there is no ink cartridge attached for many hours, it may cause a failure in the ink supply system, result in an inferior plotting.

Precaution in installation

 CAUTION	
A place exposed to direct sunlight	A place that is not horizontal
	
A place in which temperature and humidity vary by a great margin	A place that vibrates
 Use the device under the following environment. Temp : 20 to 35 °C Humidity : 35 to 65% (Rh)	
A place exposed to direct air blow from air conditioner, etc.	A place where fire is present
	

FCC Statement (USA)

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the Operation manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which cause the user will be required to correct the interference at his own expense.

Interference to televisions and radios

The product described in this manual generates high frequency when operating. The product can interfere with radios and televisions if set up or commissioned under improper conditions. The product is not guaranteed against any damage to specific-purpose radio and televisions. The product's interference with your radio or television will be checked by turning on/off the power switch of the product. In the event that the product is the cause of interference, try to eliminate it by taking one of the following corrective measures or taking some of them in combination.

- Change the orientation of the antenna of the television set or radio to find a position without reception difficulty.
- Separate the television set or radio from this product.
- Plug the power cord of this product into an outlet which is isolated from power circuits connected to the television set or radio.

CAUTION

MIMAKI ENGINEERING CO., LTD. shall have no liability for any damage of any kind (including but not limited to unearned profits, indirect damages, special losses and other debts) caused by the use of malfunction of the product unless otherwise specified in MIMAKI warranty provisions. The same applies to any case where MIMAKI ENGINEERING CO., LTD. has been informed of the possible risk of such damages in prior. For example, MIMAKI shall not be liable to any damage to medium (works) due to the use of the product or any indirect damage that is caused by a product that is manufactured with damaged medium. Please be noted that MIMAKI ENGINEERING CO., LTD. shall have no liability for any debts, unearned profits and any claims from any third party resulting from the use of the device.

REQUESTS

- This Operation manual has been carefully prepared for your easy understanding, however, please do not hesitate to contact a distributor in your district or our office if you have any inquiry.
- Description contained in this Operation manual are subject to change without notice for improvement.