LCU-1S
Liquid Control Unit
User Manual

CONFORMS TO
ANSI/UL STD.998
CERTIFIED TO
CAN/CSA STD.
C22.2 No.104

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English · 中文

LCU-1S
Liquid Control Unit
User Manual

Safety Information

⚠️ Please read the following safety information carefully before operating the machine. This information includes important safeguards about installation, usage, and maintenance. Pay attention to all warning labels and instructions in this manual and printed on the machine.

If you have questions about how to operate the machine safely, please contact your local Antari dealer for help.

- Keep this device dry.
- Always connect to a grounded circuit to avoid risk of electrocution.
- Before connecting machine to power, always check voltage indicate on machine match to your local AC voltage. Do not use the machine if AC power voltage does not match.
- Disconnect the machine from AC power before servicing and when not in use.
- This product is for indoor use only! Do not expose to rain or moisture. If fluid is spilled, disconnect AC power and clean with a damp cloth. If fluid is spilled onto electronic parts, immediately unplug the machine and contact your local Antari dealer for advice.
- No user serviceable and modifiable parts inside. Never try to repair this product, an unauthorized technician may cause damage or malfunction to the machine.
- For adult use only. Never leave the machine running unattended.
- Never add flammable liquid of any kind to the machine.
- Make sure there are no flammable materials close to the machine while operating.
- Only use Antari fluid. Other fluid may lead to machine malfunction.
- If the machine fails to work, unplug the machine and stop operation immediately. Contact your local Antari dealer for advise.
- Before transporting the machine, make sure the fluid tank is completely drained.
- Fog/Snow fluid may present health risks if swallowed. Do not drink fog fluid. Store it securely. In case of eye contact or if fluid is swallowed, immediately look for medical advice.

Unpacking and Inspection

Immediately upon receiving the machine, carefully unpack the carton, check the content to ensure that all parts are present and have been received in good condition. If any parts appear damaged or mishandled from shipping, notify the shipper immediately and retrain the packing material for inspection.

What is included: 1 x LCU-1S Liquid Control Unit

1 x Power Cord

1 x 4 Pin Data Connection Cable

1 x Fluid Tube

1 x Fluid Filter

1 x User Manual

Product Dimensions

95.8 mm

179 mm

202 mm

Product Overview

LCD Control Panel

Liquid Output

Control Output

XLR 3-Pin DMX
Out / IN

Control Input
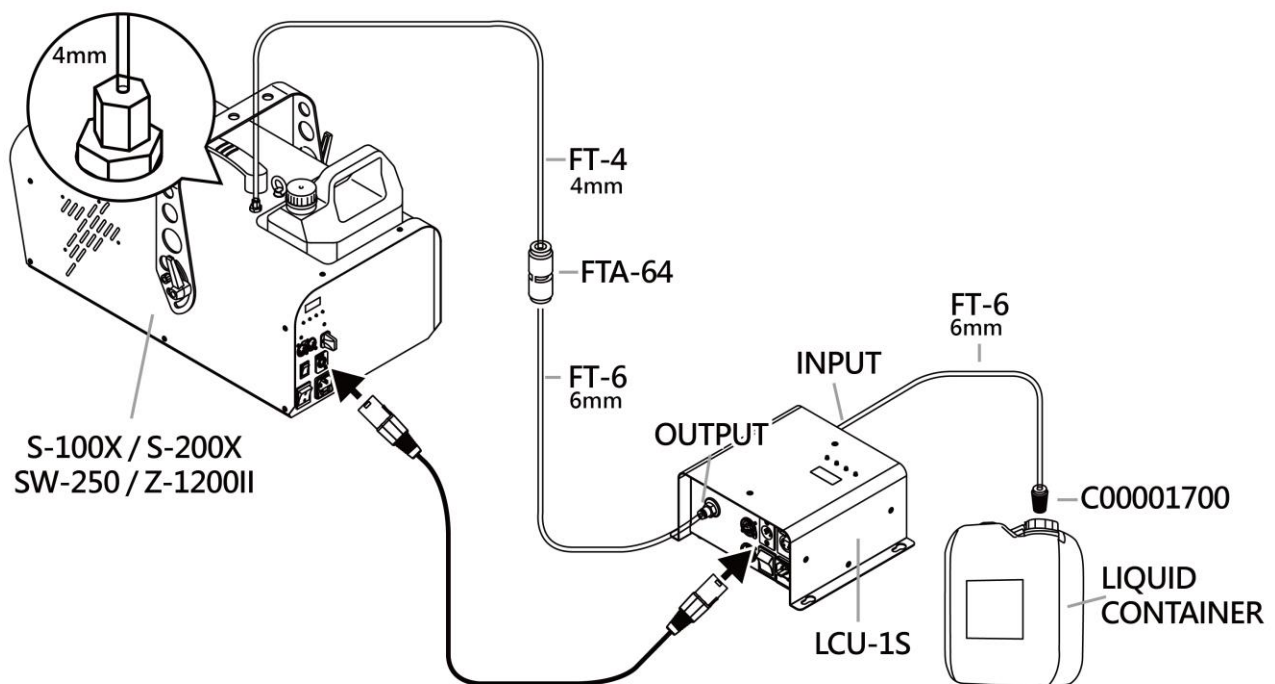
Power Inlet

Main Power Switch

Setup and Installation

Compatible Models

LCU-1S is designed to use with Z-1200II, S-100X, S-200X and SW-250. Each model has a pre-programmed fluid flow rate to reach best performance.
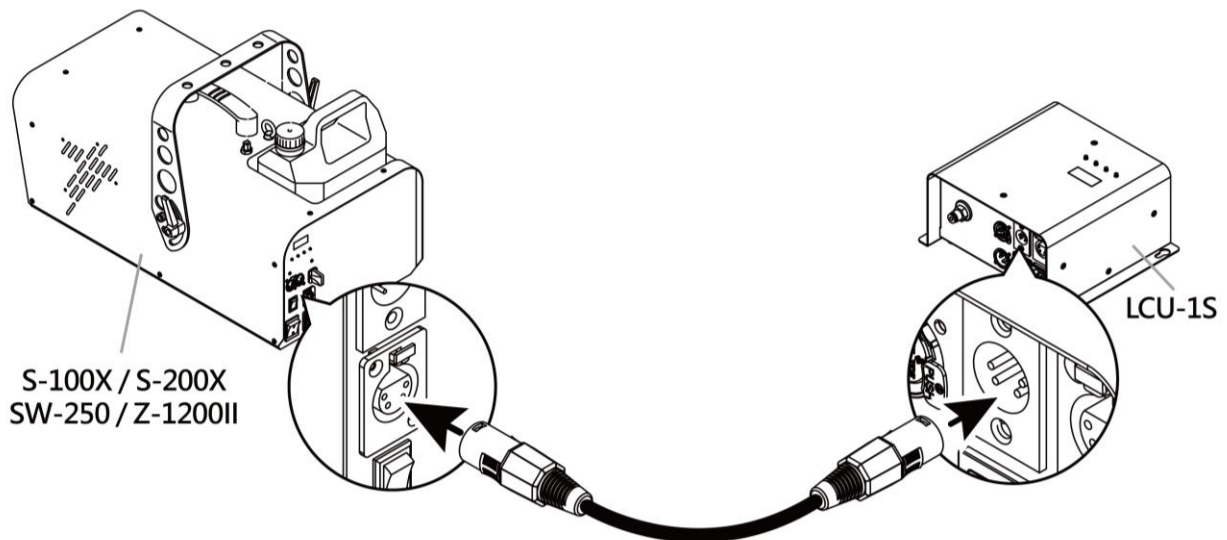
Fluid Connection

From control unit to machines the fluid flow through 6mm tube. The machine is equipped with 4mm tube, use supplied 6 to 4mm adaptor to connect from end of fluid tube to machin fluid inlet. On the input of fluid to control unit fit provided filter to the end of fluid tube prevent obstacle entering the fluid line.

Data Connection

For data connection 4-pin connector is used. Connect the output of control unit with input of remote on the machine.
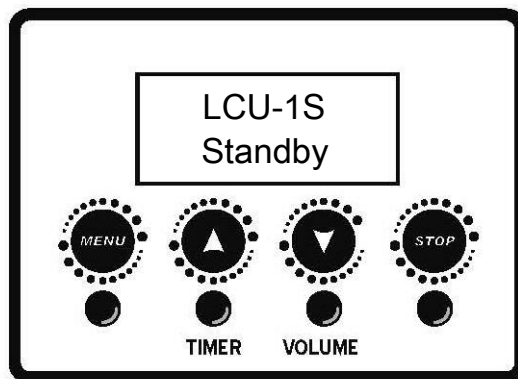
S-100X / S-200X
SW-250 / Z-1200II

LCU-1S

***Note: LCU-1S is designed to use with Z-1200II, S-100X, S-200X and SW-250. Can supply to one machine at a time.

Operation

Control Panel Operation

The control unit can be operated with the onboard digital control interface.

LCU-1S
Standby

MENU ▲ ▼ STOP

TIMER   VOLUME

Button	Function
[MENU]	Scroll through setting menu
▲ [UP]/[TIMER]	Up/Activate Timer function
▼ [DOWN]/[VOLUME]	Down/Activate Volume function
[STOP]	Deactivate Timer/Volume function

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Control Menu

Interval XXX Sec	Set interval from 5 to 200 seconds

Duration XXX Sec	Set duration from 1 to 200 seconds

Timer Out 100%	Set timer output from 1 to 100%

Volume Out 100%	Set output volume from 1 to 100%

DMX512 Add:XXX	Set DMX address from 1 to 512

Remote Type XXX	Select remote SC-2 or Z-8

W-Model XXXX	Select model to operate with S-100X, S-200X, Z-1200II

IMPORTANT: "Null" can be used with any machine required supplying of liquid, and possible to supply multiple machines. In this mode the fluid pump is program to run at full capacity, which the output volume can be adjusted manually to match the supplied machines.

Z-8 Remote Control Operation (Optional)

To operate the Z-1200II by remote control, connect the remote to the 4 pin control input located on the rear of control unit. Z-8 remote offers manual, continous and timer operation. For timer mode use rotarty knob on top to set interval, duration and output volume.
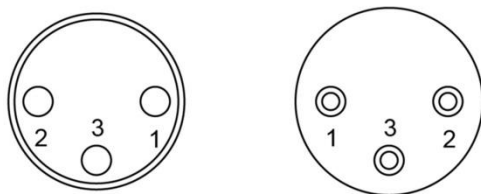
SC-2 Remote Control Operation (Optional)

Use SC-2 remote control for operation with S-100X/S-200X/SW-250. Set switch to on position to activate, and adjust the output volume by turning the rotary knob.

DMX Connector Pin Assignment

The machine provides a 3-pin XLR connector for DMX connection. The diagram below indicates pin assignment information.

3 Pin XLR

Pin	Function
1	Ground
2	Data-
3	Data+

DMX Operation

Making the DMX Connection – Connect the machine to a DMX controller or to one of the machines in the DMX chain. The machine uses a 3-pin XLR connector for DMX connection, the connector is located on the front of the machine.

DMX Channel Function

Channel Mode	Channel	Value	Function
1	1	0-4	Off
		5-255	Output volume from 1-100%

Service and Maintenance

- Do not allow the machine to become contaminated.
- Only use a damp cloth to clean the casing.
- It is recommended to run the machine on a monthly basis in order to achieve best performance and output condition.

Fuse Replacement

⚠ Disconnect AC power before replacing fuse. Only replace fuse with same type and rating.

Step 1: Disconnect power cord from supply.

Step 2: Use a flat-head screwdriver to release fuse holder.

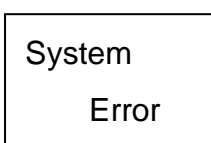*Step 3:* Replace fuse with exact same type and rating as indicated below.

Step 4: Reinsert fuse holder.

Fuse

> 120V = T2A 250V
>
> 230V = T1A 250V

Error Messages

System Error	Indicates the power is not switch on.

If above message shows on the display, switch on the power of control unit or contact your local Antari dealer for advise

Technical Specifications

Input voltage	AC120V, 50/60Hz
	AC240V, 50/60Hz
Fuse	120V = T2A 250V
	240V = T1A 250V
Control option	DMX 512, Cable remote, Manual,
DMX channels	1 channels, Output volume
Power connection	IEC
DMX data connection	3-pin XLR
Remote control connection	4-pin XLR
Dimension	L 202 x W 179 x H 95.8 mm
Dry weight	3.30 kg
Accessories (Optional)	Z-8 remote control, SC-2 remote control

Antari
FOG MACHINE

For current product information visit Antari at:www.antari.com
For information requests please contact us at:sales@antari.com

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