




AVTechsmart miniRETROB100L Light User Manual

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AVTechsmart miniRETROB100L Light



Product Information

The miniRETROB100L is a high temperature indoor lighting lamp. It features built-in programs, manual mode function, and sound control function. The lamp has a DMX mode with 1 channel and 6 channel options. It also has a pixel control feature for precise control over the lighting effects. The product dimensions are provided in the product dimension drawing.

Safety Instructions

- Do not touch the lamp body when working to avoid burns.
- Maintain a 50CM space at the back of the lamp body for heat dissipation.
- Turn off the lamp power when installing or replacing the lamp tube.
- This lamp is for indoor use only and is not waterproof.
- Ensure that the voltage and frequency of the power supply match the requirements of the device.
- Do not operate the equipment if there is wire damage or wear.
- Do not remove any part of the equipment during use.
- Any unauthorized modification to the product will void the warranty.

Function Menu

The function menu provides access to different working modes and functions of the lamp.

Function Operation

Built-in Program Automatic Function

1. Select the working mode menu.
2. Select automatic mode.
3. Choose one of the fifteen programs.
4. Set the program speed.

Manual Mode Function

The manual mode function is consistent with the Pixel control 7CH channel. In manual mode, DMX address is not working.

1. Select the working mode menu.
2. Select manual mode.
3. Choose one of the seven functions corresponding to the sub-menus.

Sound Control Function

1. Select the working mode menu.
2. Select automatic mode.
3. Choose one of the nine programs.
4. Select the working mode menu again.
5. Select sound control mode.
6. Set the sound control sensitivity. Voice control does not work from 0 to 15, and becomes more sensitive from 16 to 255.

Channel Function

The lamp has DMX general functions with 1 channel and 6 channel modes.

1CH DMX General Function

1. Select the working mode menu.
2. Select DMX mode.
3. Set to 1 channel mode.
4. Exit the working mode menu, select the DMX menu, and set the DMX menu address. The DMX address can be set to 001.

6CH DMX General Function

1. Select the working mode menu.
2. Select DMX mode.
3. Set to 6 channel mode.
4. Exit the working mode menu, select the DMX menu, and set the DMX menu address. The DMX address can be set to 001.

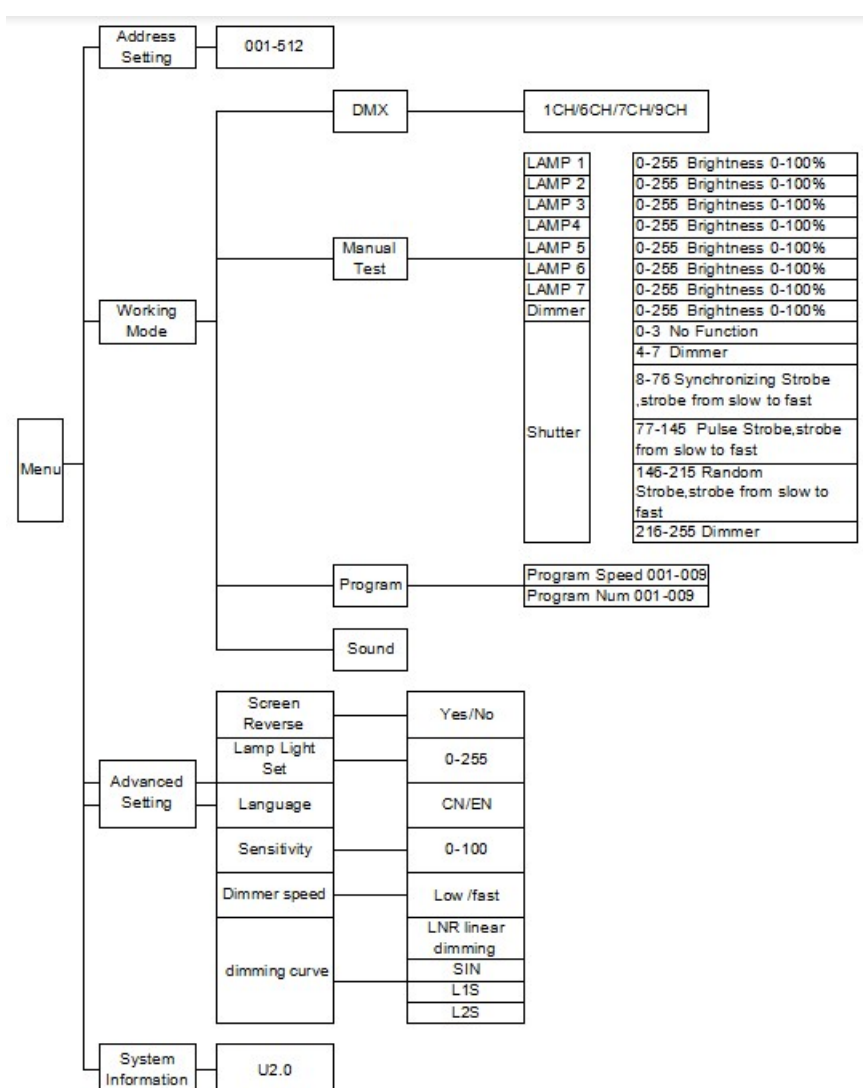
Note: The channel functions specify different features and settings based on the range of values.

Safety Notes

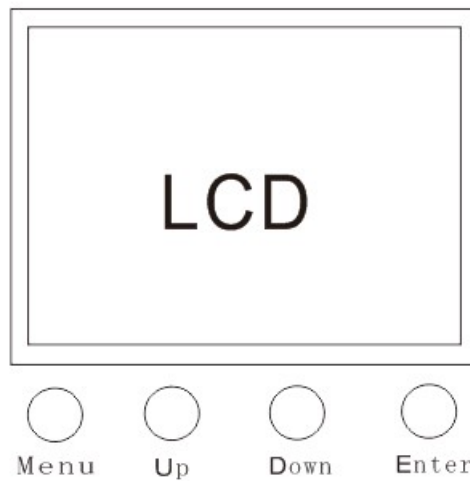
Note : To ensure reasonable consistency of operation, please read this instruction carefully. Any damages caused by the non- observance of this manual or any unauthorized modification to this product are not be subject to warranty .

1. This product belongs to high temperature products. Do not touch the lamp body when working, carefully scalds!
2. Maintain a 50CM space at the back of the lamp body for dissipate heat.
3. When installing/replacing the lamp tube, turn off the lamp power!
4. This lamp is used for indoor lighting, not waterproof ! When lamp works, lamp tube at high temperature.
5. Make sure the voltage and frequency of power supply match the power require of this devise.
6. Please do not operate the equipment in the condition of wire damage or wear.
7. Do not remove any part of the equipment during the use of lamps.
8. Any unauthorized modification to this product are not be subject to warranty .

Function Menu



Function Operation



Keys diagram

built-in program Automatic function

1. Select the working mode menu.
2. Select automatic mode.
3. Choose one of fifteen programs.
4. Setting program speed.

manual mode function

The manual mode function is consistent with the Pixel control 7CH channel but in manual mode DMX address is not working in that condition . The seven sub-menus correspond to seven functions .

Sound control function

1. Select the working mode menu.
2. Select automatic mode. Because sound control is based on the automatic program, so you need to choose the automatic program before you turn on the sound control .
3. Choose one of nine programs .
4. Select the working mode menu.
5. Select sound control mode.
6. Set the sound control sensitivity. 0-15 voice control does not work. From 16 to 255 sound control will more and more sensitive .

Channel Function

1CH DMX general function

1. Select the working mode menu.
2. Select DMX mode.
3. Set to 1 channel mode.
4. Exit the working mode menu, select the DMX menu, and set the DMX menu address.

The DMX address can be set to 001.

Channel	Function	From	To	Feature
1	Dimmer	0	000	No function
		1	255	Master dimmer

6CH DMX general function

1. Select the working mode menu.
2. Select DMX mode.
3. Set to 6 channel mode.
4. Exit the working mode menu, select the DMX menu, and set the DMX menu address.
The DMX address can be set to 001.

Channel	Function	From	To	Feature
1	Dimmer	0	255	Brightness 1—100%
2	Strobe	0	3	No function
		4	7	Dimmer
		8	76	Synchronizing strobe; Strobe from slow to fast
		77	145	Pulse strobe ; Strobe from slow to fast
		146	215	Random strobe ; strobe from slow to fast
		216	255	Dimmer
3	Auto run-1	0	15	No function
		16	31	Program 1
		32	47	Program 2
		48	63	Program3
		64	79	Program4
		80	95	Program5
		96	111	Program6
		112	127	Program7
		128	143	Program8
		144	159	Program9
		160	175	Program10
		176	191	Program11
		192	207	Program12
		208	223	Program13
		224	239	Program14
		240	255	Program15

4	Auto run-2	0	15	No function
		16	31	Program 16
		32	47	Program 17
		48	63	Program18
		64	79	Program19
		80	95	Program20
		96	111	Program21
		112	127	Program22
		128	143	Program23
		144	159	Program24
		160	175	Program25
		176	191	Program26
		192	207	Program27
		208	223	Program28
		224	239	Program29
		240	255	Program30
5	Speed	0	000	No function
		1	255	Program speed from slow to fast
6	Sound	0	000	No function
		1	255	Sensitivity increases gradually

7CH DMX Pixel Control function

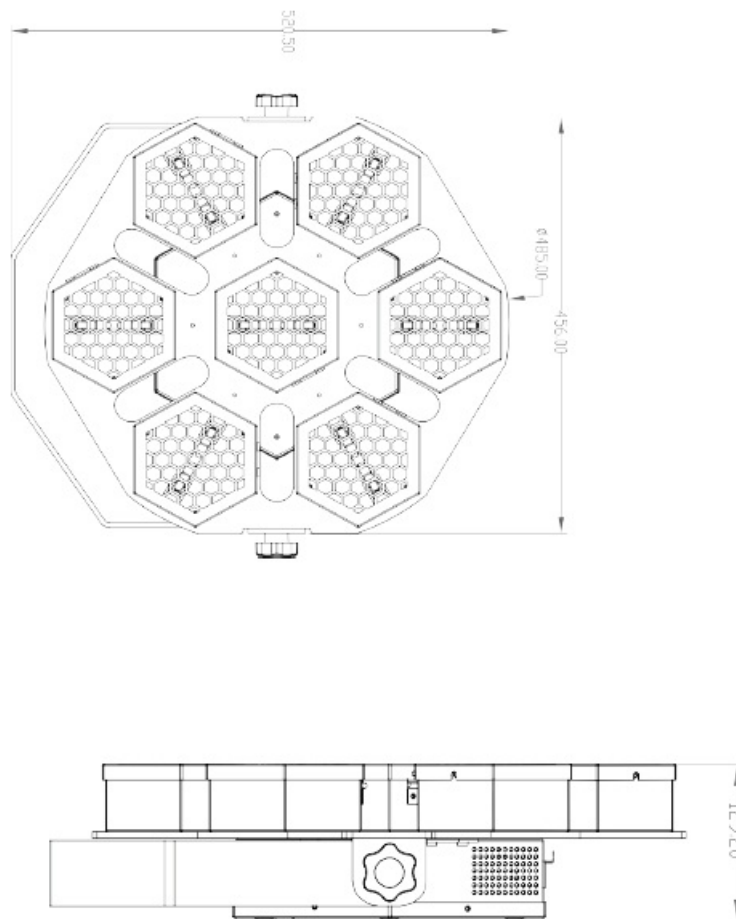
1. Select the working mode menu.
2. Select DMX mode.
3. Set to 7 channel mode.
4. Exit the working mode menu, select the DMX menu, and set the DMX menu address.

The DMX address can be set to 001

Channel	Function	From	To	Feature
1	LED 1	0		No function
		1	255	Brightness 1—100%
2	LED 2	0		No function
		1	255	Brightness 1—100%
3	LED 3	0		No function
		1	255	Brightness 1—100%
4	LED 4	0		No function
		1	255	Brightness 1—100%
5	LED 5	0		No function
		1	255	Brightness 1—100%
6	LED 6	0		No function
		1	255	Brightness 1—100%
7	LED 7	0		No function
		1	255	Brightness 1—100%
8	Dimmer	0	255	Brightness 1—100%
9	Strobe	0	3	No function
		4	7	Dimmer
		8	76	Synchronizing strobe; Strobe from slow to fast
		77	145	Pulse strobe ; Strobe from slow to fast
		146	215	Random strobe ; strobe from slow to fast
		216	255	Dimmer

Product Dimension Drawing

As below



Technical Parameter Diagram

Item	Technical Parameter
Work voltage	110 ~ 230V50/60HZ
Power consumption	210W
Light source	7×30W LED
DMX channel	1CH/6CH /7CH/9CH
Control Mode	Auto-run , Sound control ,DMX control
Color temperature	2200K
Dimension	456 x 520 x130mm
Wight	8.3KG
Packing	Carton/1pcs , Flight case/4pcs

Documents / Resources

	AVTechsmart miniRETROB100L Light [pdf] User Manual MINIRETROB100L, miniRETROB100L Light
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