



AL 2000

I Introduction

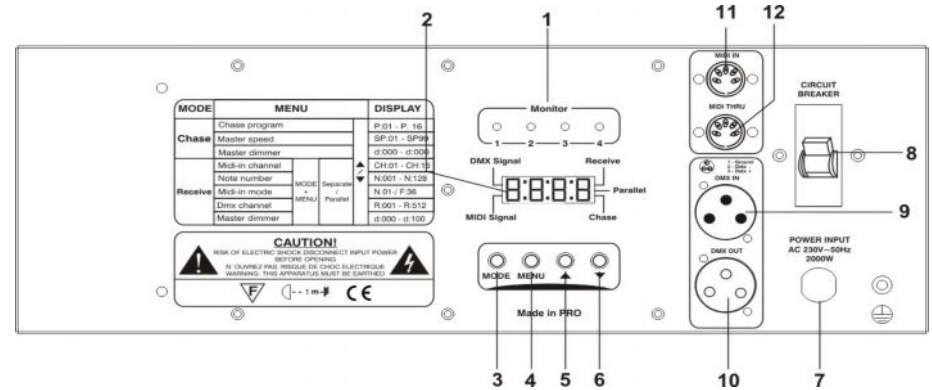
AL 2000 is a multicolor light with DMX function. There are four basic colors, red, green, blue and yellow. Controlled by a digital processing unit, it can produce thousands of color changing effects besides single color changing. It's of following characteristics:

- 4 DMX channels with 16 color chasing effects
- 4 DMX dimmer channels and 4 DMX initial addresses
- MIDI Connector and DMX Connector
- Mast/Slave
- Could be used as one channel or four channel dimmer
- Four colors of red, green, blue and yellow
- Memory function even power off

For safety use and maintenance, please read this manual carefully!

II Display Board

- LED Monitor:** The related LED indicator is on when running a function. Channel 1 to 4 for blue, red, green and yellow separately.
- Display Screen:** Show the current status of the machine.
- Mode Press:** Choose "Receive" or "Chase".
- Menu Press:** Choose functions
- UP Press:** Set numerical value.
- DOWN Press:** Set numerical value.
- Power Input:** AC 230V/50Hz, 10A max..
- Circuit Breaker:** 10A.
- DMX IN:** Receive DMX signal.
- DMX OUT:** Transmit DMX signal.
- MIDI IN:** Receive MIDI data.
- MIDI THRU:** Transmit MIDI data.
- Cooling Fan:** The fan will work when power on



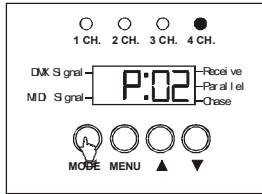
Please refer to the following tabulation.

MODE	MENU		DISPLAY
CHASE	CHASE PROGRAM		P:01 — P:16
	CHASE SPEED		SP:01 — SP:99
	MASTER DIMMER		d:000 — d:100
RECEIVE	MID-IN CHANNEL	MODE SEPARATE / PARALLEL	CH:01 — CH:16
	NOTE NUMBER		R:001 — R:128
	MID-IN MODE		Nor / F:36
	DMX CHANNEL		R:001 — R:512
	MASTER DIMMER		d:001 — d:100

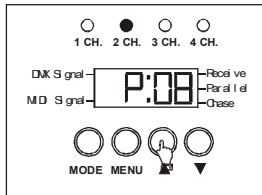
III Operation

- **Chase Mode**

Press Mode, Chase indicator on is for chase mode



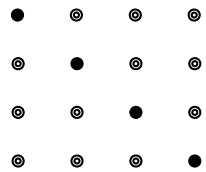
Press Up (▲) or Down (▼) to choose the program from 16 chase modes.



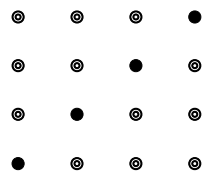
When displaying P : 01, it is the first program for chase mode. Below are the program illustrations for 16 chase modes.

P : 01

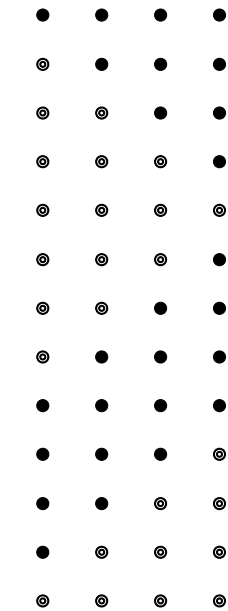
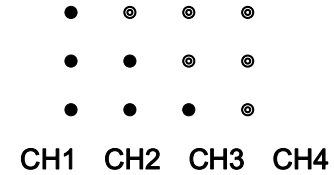
CH1 CH2 CH3 CH4



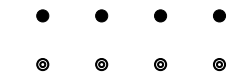
P:02



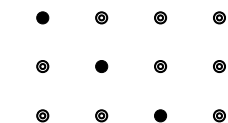
P:03



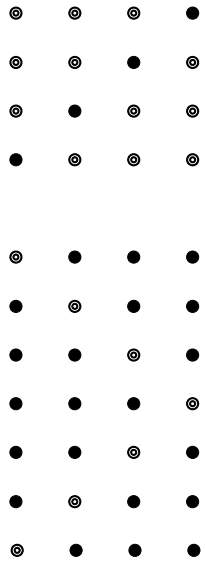
P:04



P:05

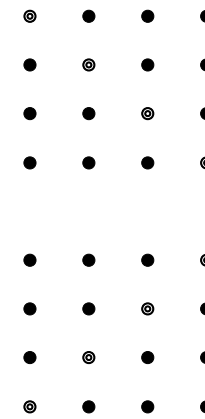


P:06

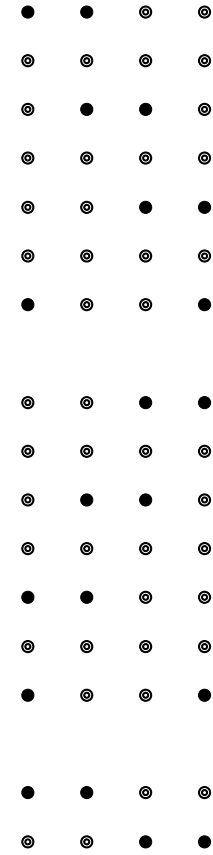


P:07

CH1 CH2 CH3 CH4



P : 08

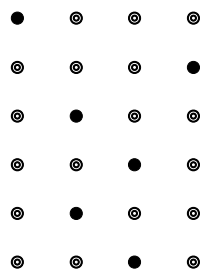


P : 09

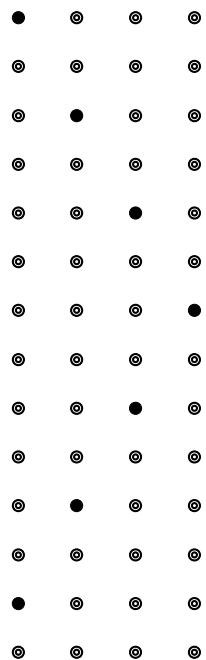
P : 10

CH1 CH2 CH3 CH4

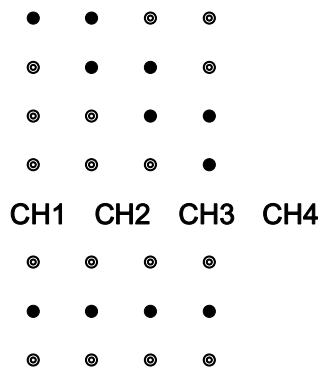




P : 11

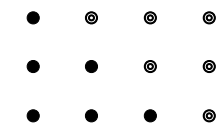
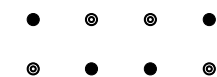
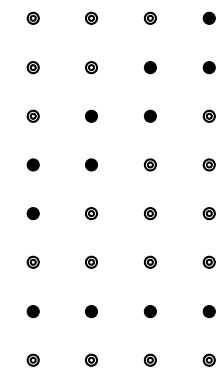


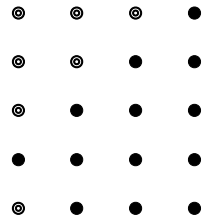
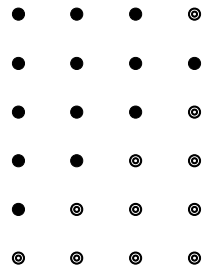
P : 12



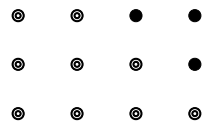
P : 13

P : 14

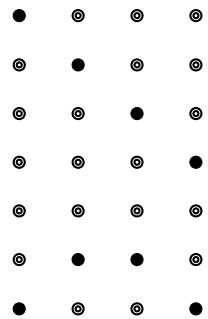




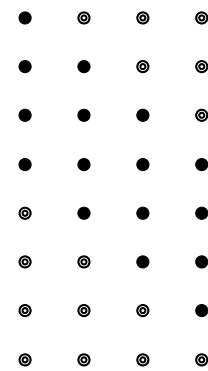
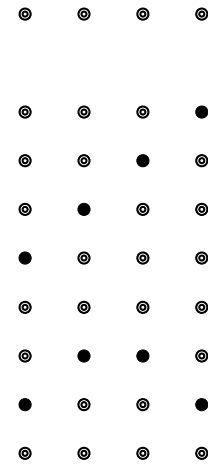
CH1 CH2 CH3 CH4



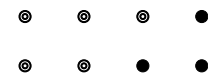
P : 05

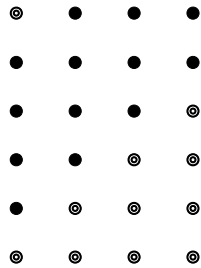


P : 16



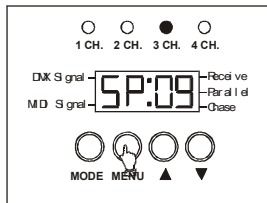
CH1 CH2 CH3 CH4





Press Menu to adjust chase speed, and Up (▲) or Down (▼) to set the speed value.

When displaying SP : 01, it is the slowest speed , and SP : 99 is at the fastest.

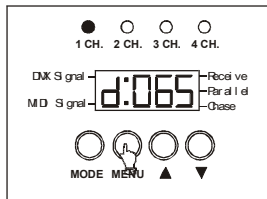


Press Menu to adjust intensity for the four channels. Up (▲) or Down (▼) is for the intensity value.

When d`000, there is no light out. Press UP(▲)to increase the intensity.

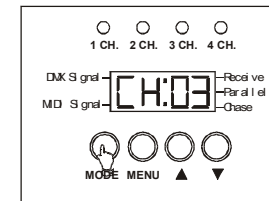
When reaching to d`100, it's the brightest, 100%. Adding 1 to d`100 is d`000 , while

decreasing 1 from d`000 is d`100.

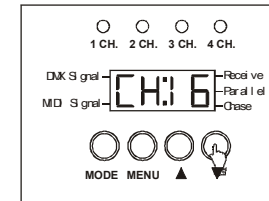


● **Receive Mode**

Press Mode, then the Receive indicator on. It could receive MIDI and DMX signals.



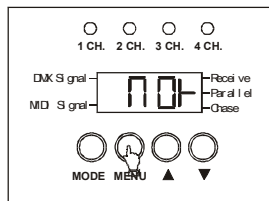
Press Up (▲) or Down (▼) to set receiving channel for MIDI. There are 16 receiving channels at most for MIDI. Press UP(▲)or DOWN(▼)to set the value When displaying -.CH : ***, it means there is MIDI signal in.



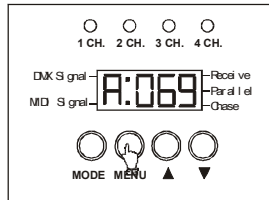
Press Menu, when displaying “nor” , it's normal mode for MIDI. Under this mode

(nor) , the red, green, yellow and blue indicators are for 1-4notes. And for 5-20 notes, you need to switch (on/off) 16 chase programs of the 4 channels (But every time one program is allowed to run). The speed of the 16 chase programs could be controlled by the 21 notes (Depended on the interval between two press. The sooner of the interval, the faster of the light chase).Press UP(▲)to F :36` under MIDI mode, that is 1-4 notes for 36-39 ,5-20 notes for 40-55, and 21 notes for 56. The function is the same as normal mode (nor) .

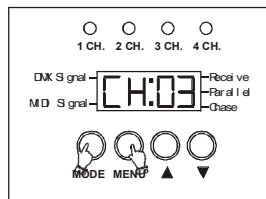
Please pay attention to the notes when under “nor” mode. If the screen display Π`001` , it means 1 is the start bit , that is 1-4、 5-20 are the notes. And if it shows F : 36` , notes 1-4 shift to 5-20 , 21-36 shift to 40-55 , every value plus 4. It could show up to Π`128` , which is the peak value. For example, if it display Π`005` , notes 1-4 shift to 5-8 , 5-20 shift to 9-24 , 21-36 shift to 25-40.....



Press Menu until it displays A`***`. This is for DMX(*** is the initial address for DMX signal. For example, A`005`is for receiving 5-9 DMX value , and 5 is the initial address. Use Up (▲) or Down (▼)adjust the value from 001 to 512, or from 512 to 001. When there is a digital dot glinting before letter A, it means the machine is controlled by DMX and there is signal in. You just need to adjust the handspike of DMX console to vary the light brightness. You could also use the DMX console to write programs and then run them by your own.



- Separate and Parallel setting
Under Receive mode, press Mode, then press Menu, the signal input would be switched between Separate and Parallel.



Under Separate Mode, the screen will display ÷CH : 01` , and ÷ will glint once there is MIDI signal or DMX signal. If there in no MIDI signal, the dot below the mark “÷”would not glint, and if no DMX signal, the above dot would not glint. Under this

mode ,the machine could receive continuous DMX signals of 4 channels or 21 MIDI value. The intensity could be controlled by 4 DMX channels or by 1-4 MIDI value. MIDI value 5-20 for chase programs 1-16 by ON/OFF switch, and MIDI value 21 is for chase speed.

Under Parallel mode, adjust to ÷CH : 01 : , at this time, MIDI value 1 and DMX channel 1 could control the intensity of the 4 channels (that is, the intensity of the 4 channels could increase or decrease simultaneously) . MIDI value 5-20 for chase programs 1-16 by ON/OFF switch, and MIDI value 21 is for chase speed.

- **Master/Slave Mode**

When the Master is under CHASE mode , and Slave/Slaves is under RECEIVE mode (DMX address begins at A001), the changes of the Slaves/Slaves is with the Master.

IV . Technical parameters

Input Voltage	AC 220V/50Hz, 10A max.
Lamp.....	Long tube lamp 240V/500W
Current.....	10A
Fuse (Inside)	F0.5A 250V 5x20mm
DMX IN/OUT	3 pin female & male XLR socket x 1
MIDI IN/THRU.....	5 pin multiple socket
Measurement	L418Xw231Xh347mm
Weight	9.0Kg

V . Warnings

1. This machine must be grounded.
2. Do not let combustible liquid, water and mental pieces into this machine.
3. If any accidents occur during the usage, please stop using and call your supplier or contact us directly.
4. Before replacing lamp, please turn off the power and wait until the lamp cooled
5. Please keep the machine from human body and combustible materials when it's lighted.

VI. Notes

1. Unpack the carton to check if there is any damaged or missing part when you receive the unit, call the local dealer if anything is found not in a normal condition.
2. You can not use this machine under these conditions
 - The ambient air is too wet.
 - If it is impacted or shaken.
 - The temperature exceeds $45^{\circ}\text{C}/113^{\circ}\text{F}$ or lower than $2^{\circ}\text{C}/35.6^{\circ}\text{F}$.
3. No operation without proof by skilled electrician in public areas!

