

Preface

The TEKMAND FADER WING is a brand-new lighting controller. It is one of the small, light-weight, solid and easy-to-take lighting controllers. Via USB, it can be connected with PC which has installed TEKMAND system so as to realize 2048 channel control as well as other lighting controllers such as MA. The TEKMAND FADER WING can also work as a real-time heat backup and a remote device to realize system backup. It can work as a lighting controller. Though it is small in size but has a powerful function. It is easy for carry thanks to the light weight of 2.2kg. The time code can offer a convenient solution for light and sound synchronizing show. It is suitable for every kind of events.

★ Declaration

This product has passed the final check for both functionalities and ackage when doelivered from the factory. All users should observe theinstructions and pay attentions to the warnings covered by this manual.Unreasonable damages resulting from unintended operations or not heeding instructions covered dy this manual will void the warranty. Specifications in this manual intend for reference only, the fixture delivered takes the priority. Any future modification pertaining to content of this manual, there will be no particular notifications. FINE ART reserves all copyrights. To obtain the latest information about software update and other files, please visit FINE ART website.

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Safety Information

The following symbols are used to identify important safety information on the product and in this manual:



DANGER!
Hazardous voltage.
Risk of severe or lethal electric shock.



DANGER!
Safety hazard.
Risk of severe injury or death.



DANGER!
Refer to manual before installing, powering or servicing.



Warning!
Fire hazard.



For indoor use only

$t_a \dots ^\circ\text{C}$

Rated maximum ambient temperature

Safety :



1. Read this Manual before mounting and energizing the console.
2. Follow safety guidelines and observe the warnings on this manual and the console.



$t_a = 40^\circ\text{C}$

3. This product is intended for indoor use only, protective rating: IP20.
4. Maximum working ambient temperature shall not exceed 40°C , if the temperature exceeds the limit, shut down the console immediately.



5. Do not block or barrier the vents in the base housing, otherwise failure may present due to overheat.



6. Keep the device off from water or other liquids.
7. Place the console on a steady table so as to prevent damages arose by falling.



8. Do not insert any objects through the slots in the base housing as the internal circuitry and components may be damaged, causing fire or electric shock hazards.

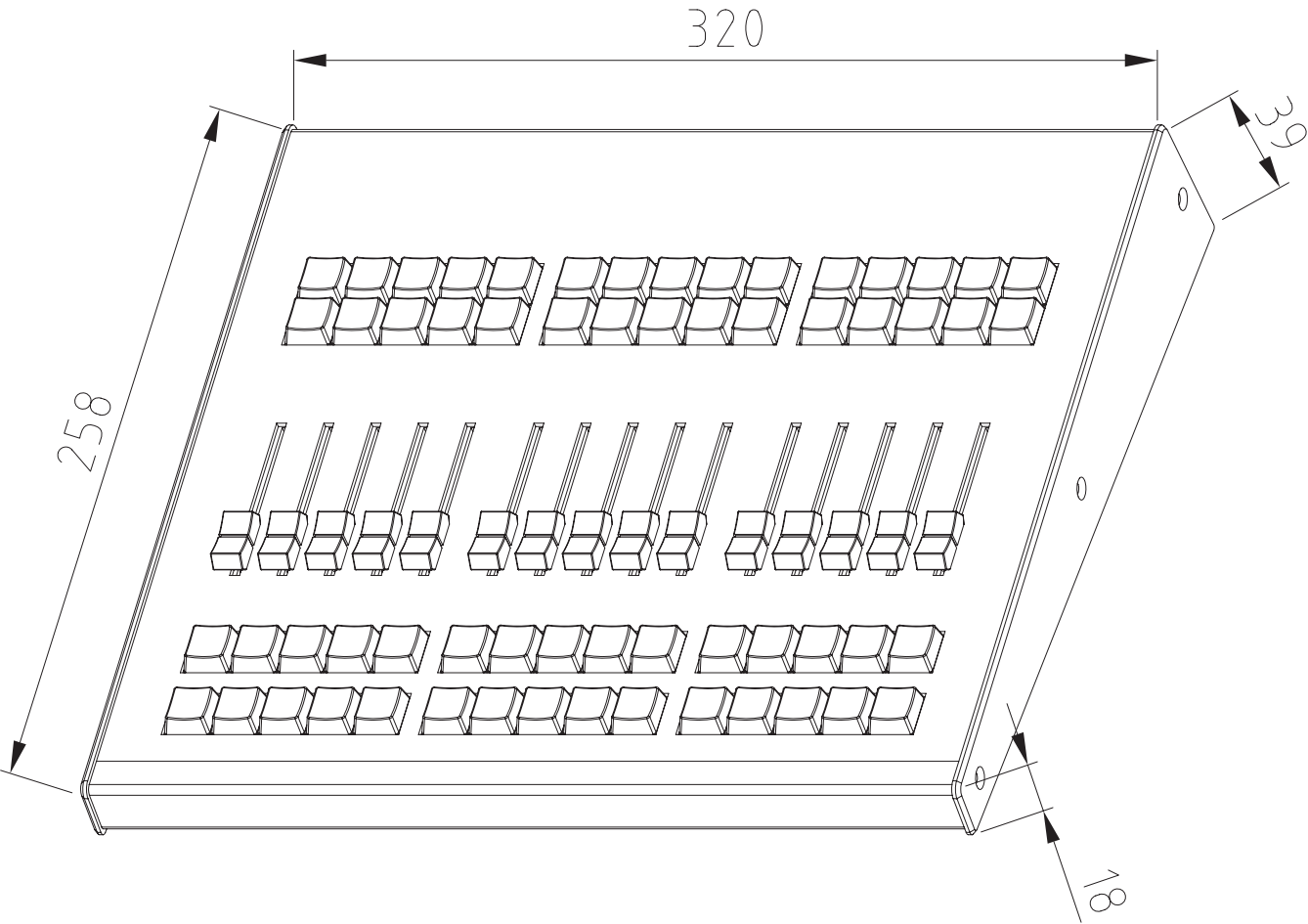


9. Avoid using powerful communication devices in close proximity to the controller.
10. Keep the device dry and avoid usage at the presence of damp, over-heat and heavy smoke environment.
11. Use power cables with safety marks.
12. If any power cable or plug is damaged, replace it by qualified personnel.
13. If an extending cable is added, make sure the nominal output levels of the consoles connected to that cable are within the maximum output level of the cable.
14. Do not place any hard object on the power cable, or it may ruin the cable sheath.
15. The console has been provided with plugs intended to match specific sockets. If the sockets used do not match with all plugs, replace these sockets by electricians. Do not ignore the safety function of the grounding pin of these plugs.

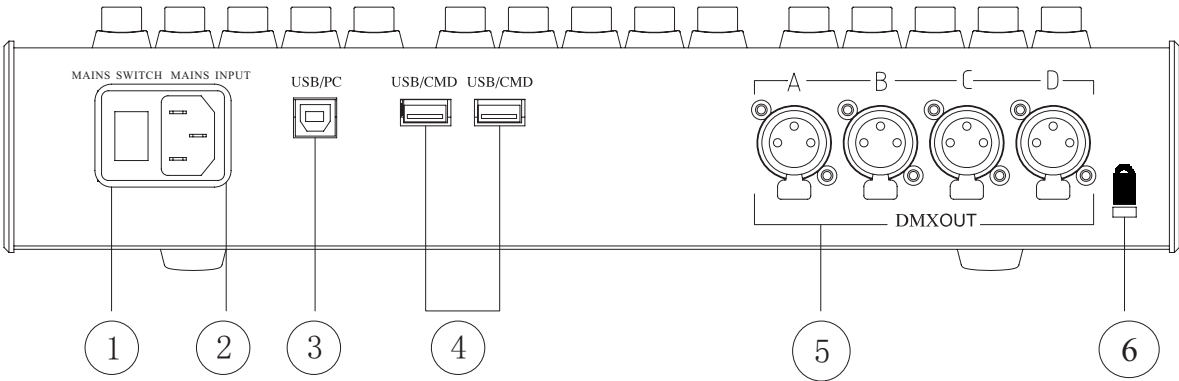
16. Disconnect the power plug before cleaning the console. Liquid cleaning agents or detergents should not be used by spraying but with a cloth.
17. Disconnect the mains supply before transporting the console.
18. Do not replace with any parts not provided by the factory.
19. Pull off the power plugs in case of thundering or not in use for a long time.
20. All servicing should be left to qualified personnel. In cases such as power plug damages, liquids invasion, or drenched in damp air, the console may fall and electric shock may present.
21. Any safety concerns not covered hereby, contact the distributor or service hot-line.
22. For those pluggable equipments: the socket should be installed near them and easily touched.

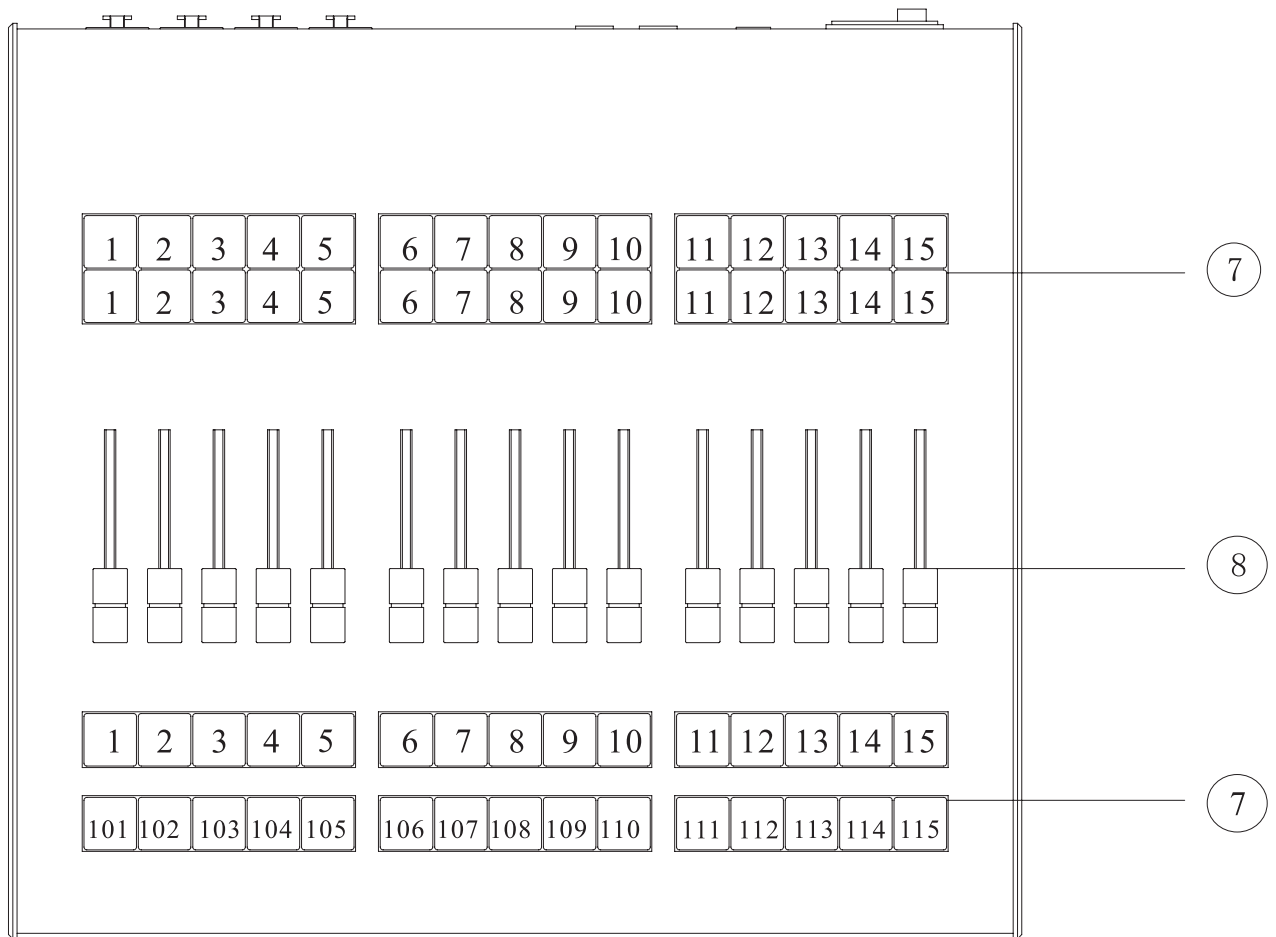
Product Introduction

Dimension



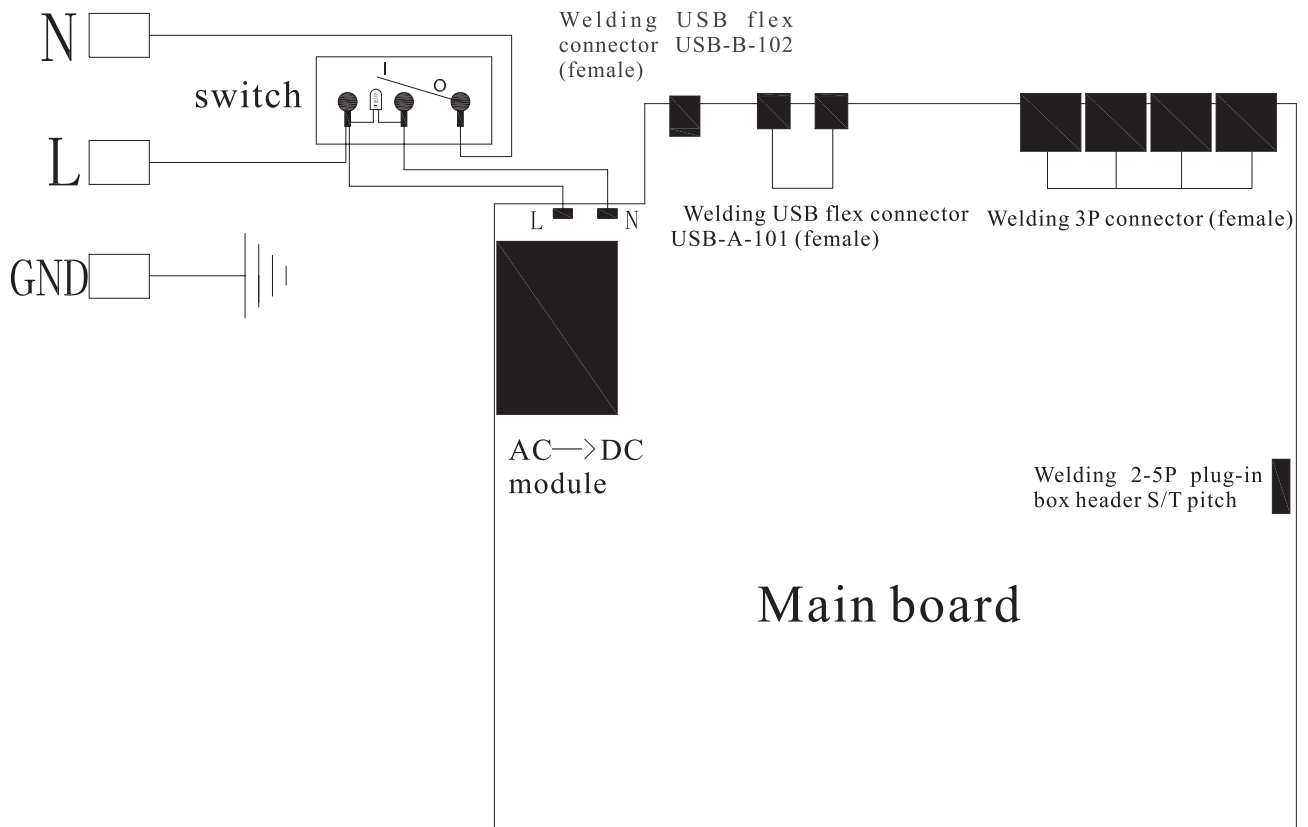
Panel introduction





- ① Power button (press this button to **switch on** the device)
- ② Power Interface (for power line)
- ③ USB Interface (for connecting to PC)
- ④ USB interface (for connecting to fader wing)
- ⑤ DMX Output (4 DMX outputs, for connecting to other devices)
- ⑥ Lock hole
- ⑦ Numbers (for controlling and excuting storage, function can be customerized)
- ⑧ Faders (for controlling and excuting storage, function can be customerized)

Electric wiring diagram



Technical Feature

Function Feature

1. real-time control of 2048 parameters (up to 65536 parameters after connecting to Tekmand system)
2. 4 DMX in/out
3. 15 pcs executing faders, 60pcs executor buttons
4. 2 USB interfaces
5. Independent adjustable backlit button
6. Available to connect to TEKMND onPC system via USB

Technical parameter

1. Power: AC100-240V, 0.09A, 50/60 Hz
2. Max power: 5W
3. IP: IP20
4. Working Temperature: -10~40°
5. Dimension: 354x320x64
6. Package: carton, 1pc/ctn
7. Net weight: 2.2KG

Note: The remark of “Only adapted in the area that is below the altitude height of 2000m” or similar warning remarks should be pasted in the obvious place on the equipment which can only be used under the altitude height of 2000m, such as the following:




Package & Delivery

1pc/ctn, with pearl cotton, which includes items shown as below:

Name	QTY	Unit
Fader Wing	1	pc
Bag (leather)	1	pc
Data Cord	1	pc
Power Cord	1	pc
User Manual	1	pc
Warranty Card	1	pc

Power Connection

Directly connect the device to the mains supply rather than the silicon box system, otherwise, it will destroy the device. The device has been provided with standard 3-pin XLR connector, refer to the table below for correct wiring. Wherein the yellow/green wire must be adequately grounded. Any confusion about installation, consult electrical technicians. Throw the mains switch on the rear panel to "I" to power up.

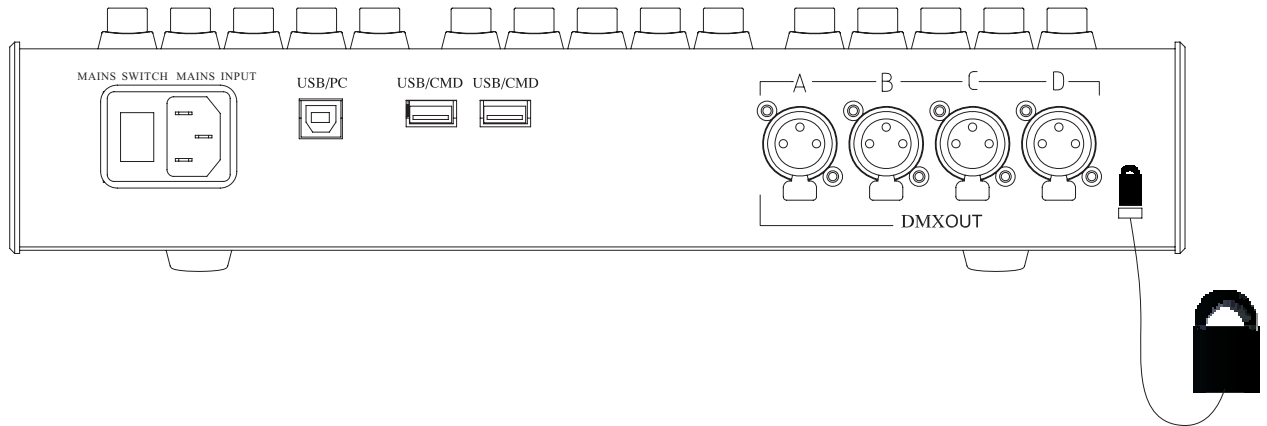
Color	Wire	Mark
Brown	Live	L
Blue	Neutral	N
Yellow/Green	Earth	

Notice::

1. Power connection should be left for the qualified personnel.;
2. Make sure the supply voltage used matches the rating marked on the device. And overload or leakage protection is necessity.
3. Check the stability conditions of local mains supply, employ a voltage stabilizer if necessary.

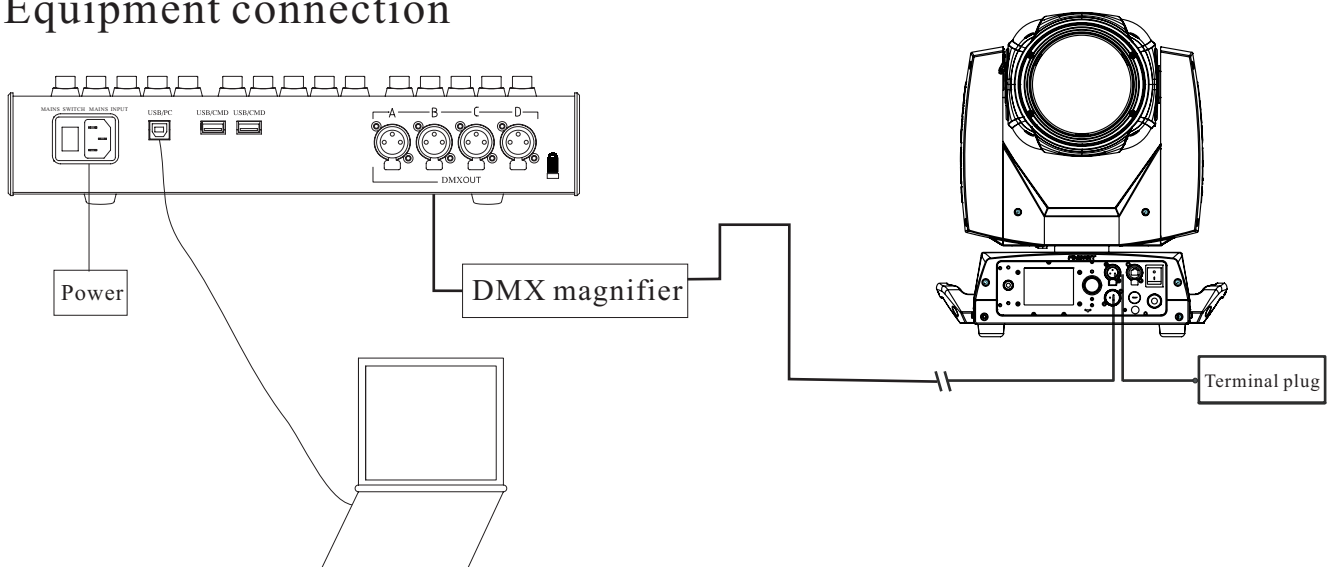
Hard Ware Connection

Safety Lock Connection



Because the product is small in size, a safety lock is made to prevent the controller from stealing. A safety rope is suggested to purchase to avoid stealing when the user leaves.

Equipment connection



Step:

1. Connect one end of the power cord (3 pin) to the power interface on the panel.
2. Connect the other end of the power cord to the power plug (AC 100-240V, 0.12A, 50/60Hz).
3. Connect one end of the data cord to the USB/PC interface on the panel.
4. Connect the other end of the data cord to the USB interface on the PC which has installed TEKMAND system.
5. There are 4 DMX interfaces on the panel. Connect one end of the output line to one of the DMX interfaces while the other end to the DMX magnifier's one end. Connect the other end of DMX magnifier to the fixture.
6. Press the red button to control the command wing after the connection of all cables are finished.

Note: The DMX magnifier can protect the equipment due to high power of some fixture.

Brief introduction

1. Make sure the computer installs Tekmand On PC 3.3.0.12  before operation.

2. Connect the computer to the fader wing via USB cable. Use Zadig to install the driver.



3. Open the Tekmand On PC software, press “SETUP” and a dialogue will pop up which shows the connection is successful.



Pic One

4. LED backlit brightness: Keep all faders on the lower middle keyboard in a programme, and then push these faders to the top. Enter SETUP/Controller/Lighting operation interface, scroll up/down “EXECUTOR LED ”bar to adjust the brightness from 0% to 100%.

5. Fader: Enter SETUP/Controller/Hardware Detect operation interface, push the fader and the value will be the same as the percentage in the fader bar shown in Pic two.

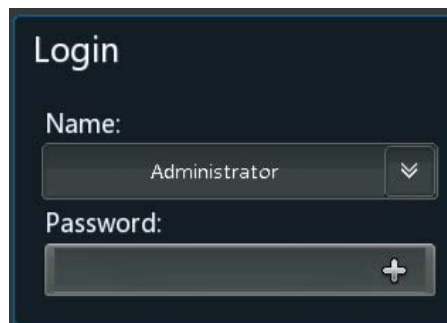
6. LED light full off : Enter SETUP/Controller/Hardware Detect operation interface, click “control all LED” , all LED should be full on/off.

7. Dimmer Wheel: Enter SETUP/Controller/Hardware Detect operation interface, rotate the wheel, the value will be the same as Pic two.



Pic Two

8. User Login” Click TOOL window to select LOGIN and a login window will pop up. Then enter the user name and password like the following:



Note::

1. The user should read the user manual before operation.;
2. The ambient temperature should not exceed 40 ° when using the console. Avoid to used it under the humid or dusty environment.
3. Store it in the clean and dry environment. Keep the power cable in good condition and do not let the power cable crack.
4. Pay attention to heat dissipation after operation for a long time.

Parts Ordering

NO.	Item	Specification	Ordering index
1	Control Panel		110521001007
2	Right Support		110521001011
3	Left Support		110521001013
4	Base		110521001014
5	Right Side Board		110521000229
6	Left Side Board		110521000230
7	Keyboard Cover (small)		110521010081
8	Encapsulated and electric conducted fader cover		110521010123
9	TM-00010E Fader Board V1.0 (PCBA finished board)		110521100070
10	Socket with switch AC-02A (R)		300501000024
11	Damping Magic Paster	width 40mm	310301000009