



Intelligent HD LED Display

# POSTAR II

Product Manual



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## 1. Preface

### 1.1 Manual Description

- 1) This manual systematically introduces the product components, ports, specifications and other product contents, as well as installation, function applications and other instructions, aiming at guiding user to start a efficient experience with POSTAR II.
- 2) This manual takes the POSTAR II 1.9mm as an example to make the introduction, and the installation, maintenance and operation methods are applicable to all series products. The version of this manual is V1.0.0.

### 1.2 Safety Precautions

#### **WARNING**

Before using this product, please read the safety precautions in this section and keep this manual for future use. The manufacturer shall not be responsible for any damages and unrecoverable possibilities caused by improper operation that ignores the contents of this section.

## Operation Safety

- Do not drop, strike, scratch, warp or shake the product or external equipment during transportation or placement;
- Do not place the LED panel on an unstable floor or bracket, use only bracket recommended by the manufacturer or sold with LED panels and manufacturer-approved parts;
- Do not overload the power distributor and power supply cord, and do not put anything on the power cord;
- Do not use this product in the whole outdoor environment. Do not use it when the ambient temperature exceeds 40 °C;
- Do not use this product in swimming pools, sauna, bathroom and other humid environments;
- Do not spray water on the product or immerse the product in water;
- Please cut off product power under situations of unused and maintenance;
- Before using this product, it is necessary to check whether all distribution equipment, cables and connecting devices meet the requirements, and ensure that the power cord is not damaged, aging or damp, replace the cord immediately if any overheating phenomenon;
- The LED POSTAR is a Class A product. In the living environment, the product may cause radio interference and practical measures shall be taken to against interference;

## 2. Product Introduction

### 2.1 Product Application

POSTAR II series can be widely used in retail store, hotel, restaurant, shopping mall, bank, company, hospital, school, airport, subway station and etc. to provide efficient display service.

### 2.2 Product Features

- Whole-unit transportation, easy installation without frame.
- Highly integrated display device, plug-and-play operation.
- Fully front maintenance available for module, receiving card and etc. 1s disassembly, 3s replacement, time and labour saving.
- Single-unit flexible movement, multi-unit seamless splicing, and 5 units can be spliced into a 138" 16:9 standard display device.
- Wi-Fi/Ethernet connection, mobile phone APP and PC material publish, easy and fast.
- One-to-many LAN centralized publish and Internet remote publish improve advertising efficiency.

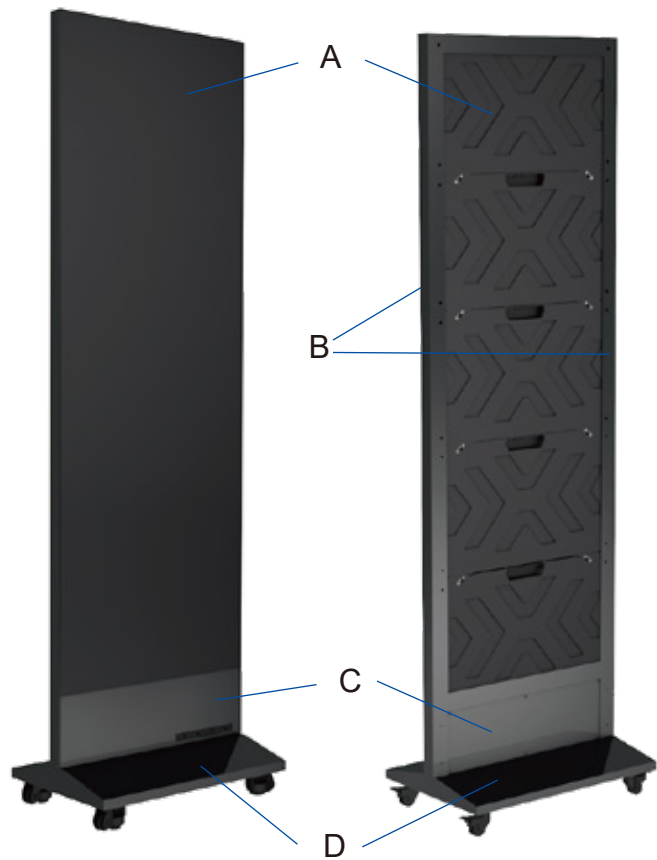
### Maintenance Safety

- If the product has abnormal situation, such as odor, smoke, leakage, abnormal temperature, please immediately cut off the power supply, and then contact professionals, do not open or repair the LED POSTAR;
- When installing and repairing products, anti-static gloves and bracelets must be worn.

- After completing any maintenance procedure for the product, routine safety inspection shall be carried out to ensure that the product is in safe operation.
- When the product is stored, proper moisture proof measures shall be made . Normally, user must ensure that the screen is powered on at least twice a week, and the lighting time is not less than 2 hours each time.
- When cleaning the panel, please turn off the power supply first, then clean it with damp cloth, and do not use liquid cleaner or spray cleaner.
- If the product has been left in off-work state for a long time, the brightness should be gradually increased to ensure dehumidification when it is started up again.

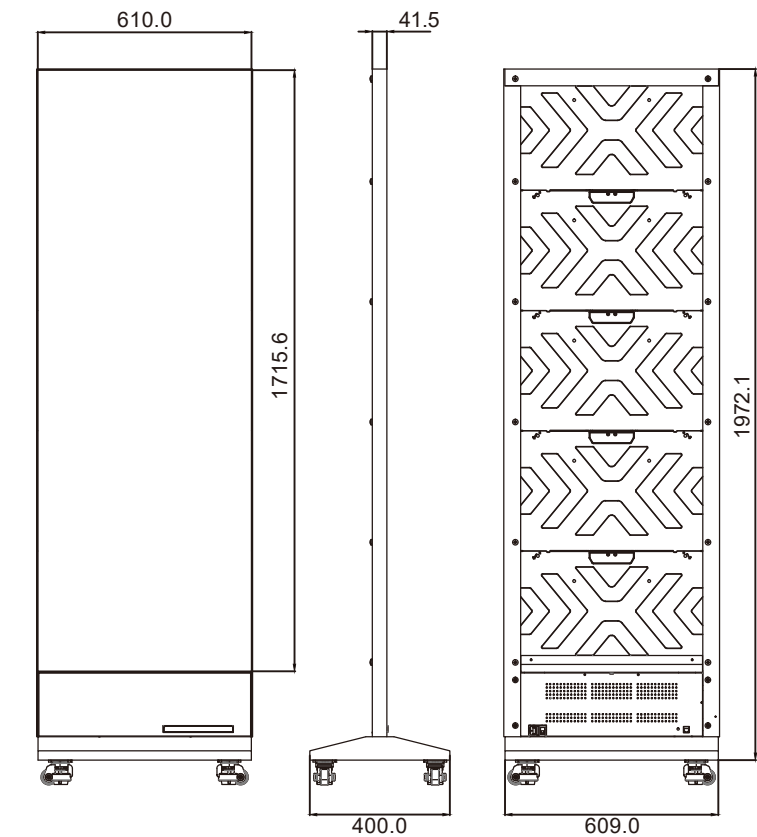
### 2.3 Product Composition

POSTAR II series intelligent HD LED Poster mainly contains 5 LED display panels, 1 set foot-mounting components, and 1 control box, more details are shown in below:



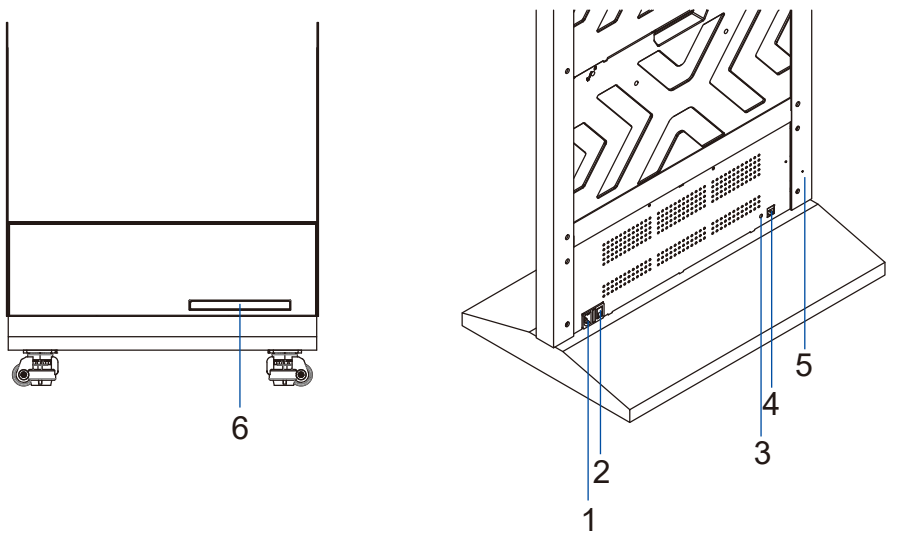
No.	Name	Components
A	LEDdisplay panel	5 panels in 1 row and 5 columns
B	Frame	upper, lower, left and right frames
C	Control Box	control card, power supply, wave flitter and etc.
D	Foot-mounting Components	base and 4 wheels

2.4 Product Size



Display Size	610×1716mm	Screen Size	616×2060×400mm
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2.5 Port Instructions



1	Power supply input port	2	On/Off button	3	Audio port
4	WLAN port	5	LEDOUT Network port	6	Patch antenna

## 2.6 Specifications and Parameters

### 2.6.1 LEDPoster Specifications

SPECIFICATIONS	POSTAR II 1.5-72"	POSTAR II 1.9-72"	POSTAR II 2.5-72"
Pixel Pitch(mm)	1.588	1.906	2.542
LED Type	SMD	SMD	SMD
Brightness(cd/m <sup>2</sup> )	700	700	700
Refresh Rate(Hz)	1920/3840	1920/3840	1920/3840
Power Consumption(Max/Ave) (W/display)	720/240	510/180	480/168
Panel Resolution(px)	384×216	320×180	240×135
Panel Size(mm)	610×343.125×38.5	610×343.125×38.5	610×343.125×38.5
Overall Resolution(px)	384×1080	320×900	240×675
Overall Display Size(mm)	610×1715.625	610×1715.625	610×1715.625
Overall Dimension(mm)	616×2060×42	616×2060×42	616×2060×42
Weight(kg/display)	48	48	48
IP Rating	IP30	IP30	IP30
Input voltage(V)	AC100-240V 50/60Hz	AC100-240V 50/60Hz	AC100-240V 50/60Hz
Maintenance	Front	Front	Front
Operating Temperature/Humidity(°C /RH)	-10~40/10~85%	-10~40/10~85%	-10~40/10~85%

\* Note: The parameters are for reference only. No further notice will be given if any changes are made.



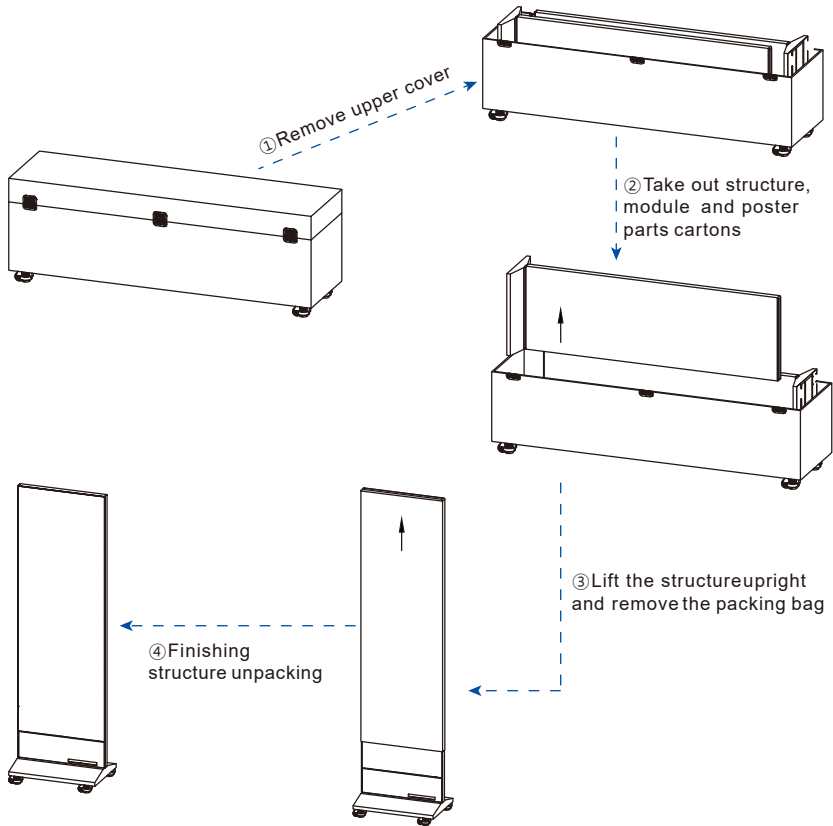
### 3. Receiving and Start Up

#### 3.1 Receiving

##### 3.1.1 Packing Instructions (optional flight case shown)

Flight cases(size:2300\*600\*850mm, weight:130kg) packing, 2 POSTAR in one case(including base and wheels).

##### 3.1.2 Unpacking Instructions



#### 3.1.3 Standard Parts List



Module  
2 Pcs



Bridge Board+ Receiving Card  
1 Pcs



USB Key  
1 Pcs



Glove  
2 Pcs



Front Maintenance Tool  
1 Pcs



Power Supply Cord  
1 Pcs

Note: The quantity of above parts can be selected according to customer needs.

### 3.2 Module Installation

Note:

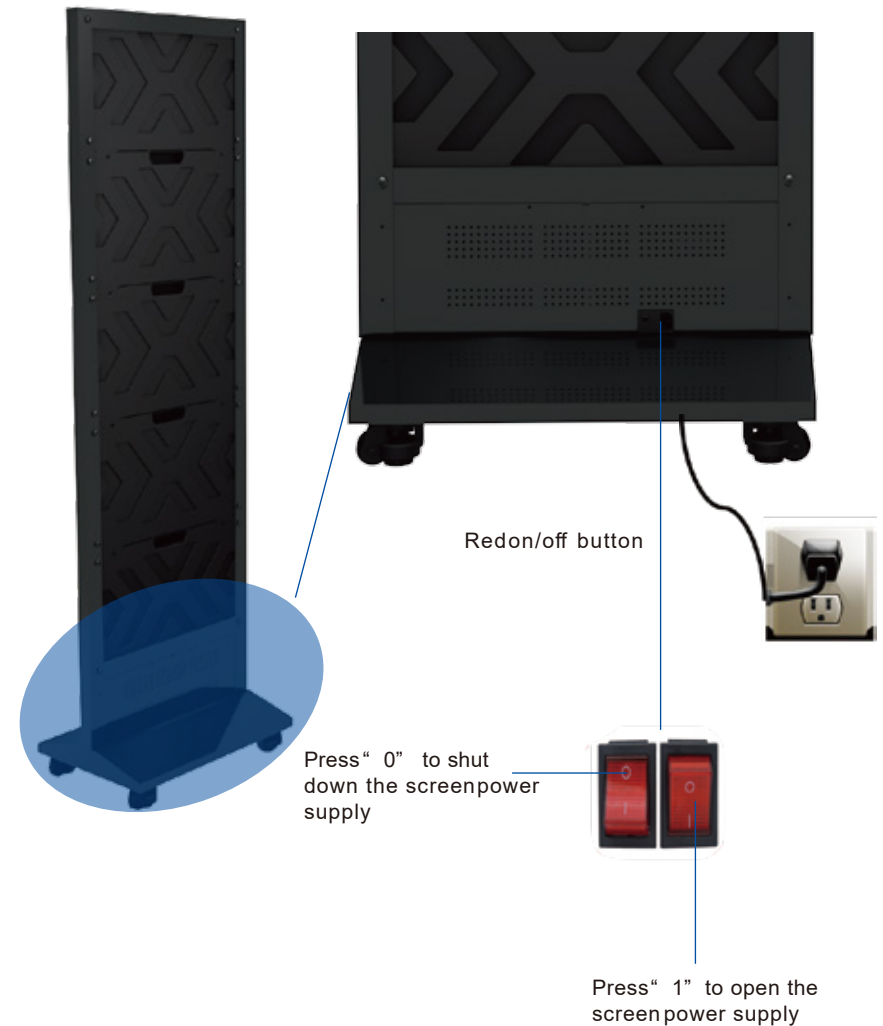
- Glovesshould be worn in the installation process,and no forced assembly shall be allowed.
- Module installation sequencecan be from left to right, from right to left, from top to bottom or from bottom to top.
- It is necessaryto adjust and repair in time when flatness is not good or seam is obvious in the assembly process.

- ① Open the module carton and vacuum bag, then take out the module.
- ② Align the module dowel pin to the bridge board mounting hole and install in turn.

### 3.3 Start Up

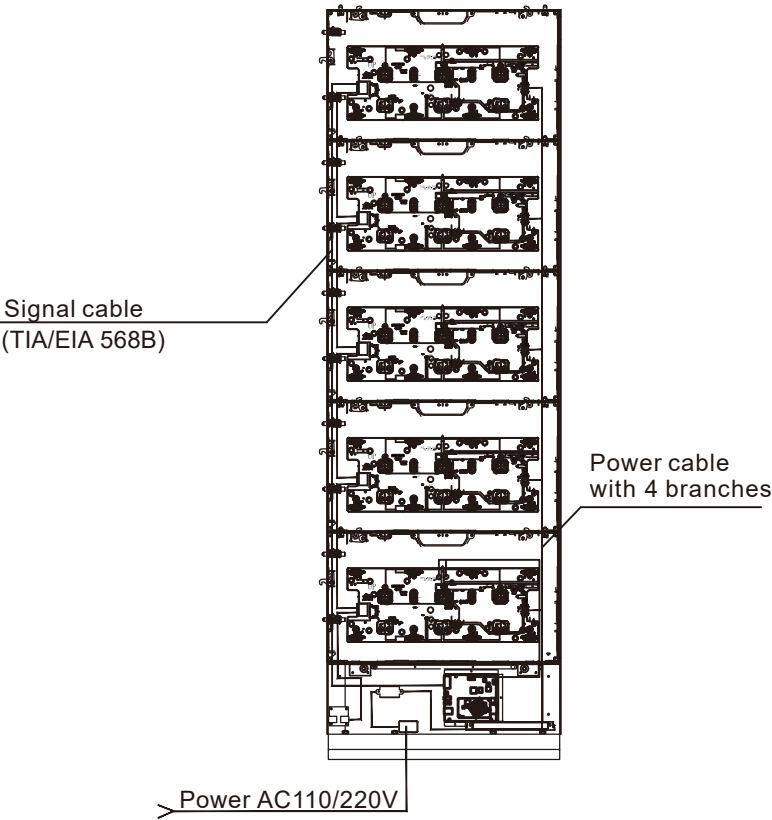
- ① After taking the screenout, connect the power supply cord and plug in the poster.
- ② PressPOSTARredswitch button "1" and wait 40 seconds for the screen to light up.
- ③ Preparethe materials in need and send to POSTAR.

Note: Material sending operations refer to Part5 Software Operating Instructions.



4. Classic Applications

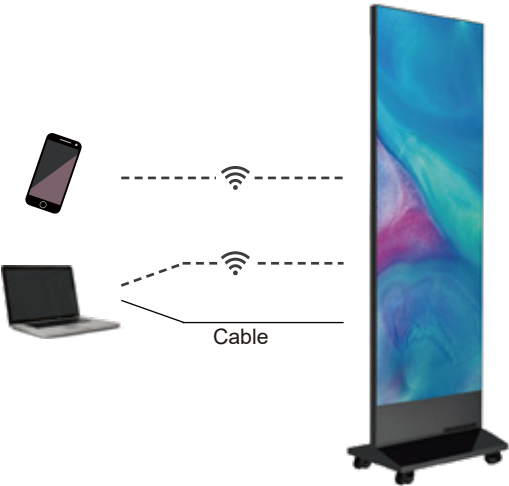
4.1 Internal Signal and Power Supply Connection



Cable and Power Cord Connection Diagram

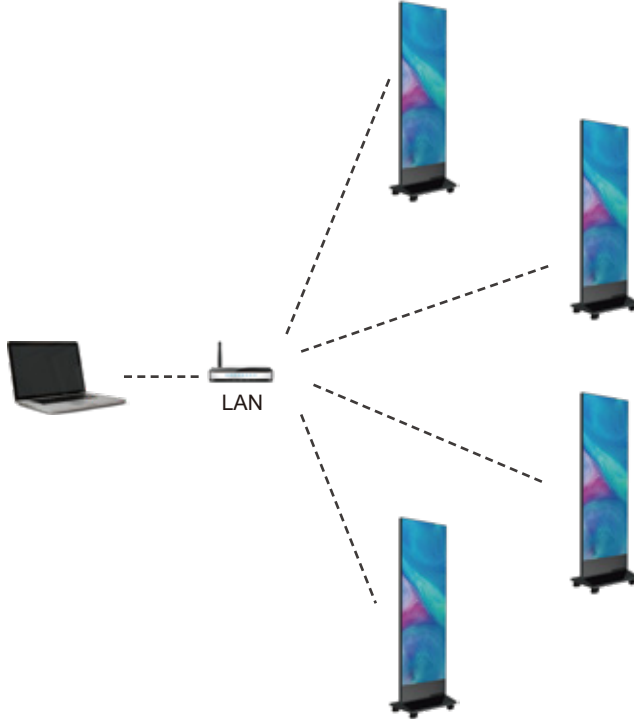
4.2 Stand-alone Device Display Application

4.2.1 Stand-alone Device Display Application Via Built-in Player



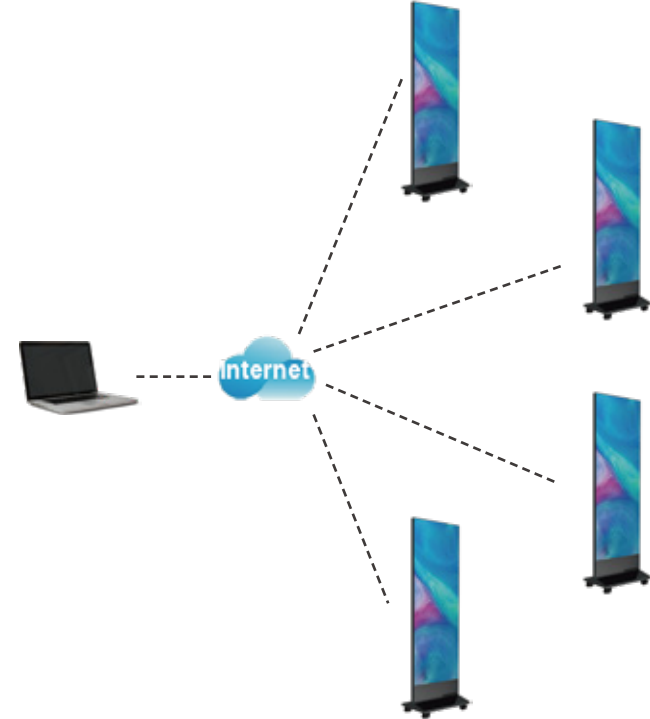
Above is a POSTAR wiring diagram in built-in player mode. Player lists can be imported by connecting the network to the computer. PC or mobile App can send program lists to the built-in player of poster for circular playback.

#### 4.2.2 Stand-alone PCDisplay Application Via LAN



The diagram above is a multi-POSTAR networking system connection based on LAN. The program list is sent to each POARAR by using the playback management software. Each POSTAR is played independently and circularly. Each screen can be centralized controlled and managed through LAN or WLAN.

#### 4.2.3 Stand-alone PCDisplay Application Via Cloud Platform



The screen can be connected to the Internet through Wi-Fi/cable, and screens in different areas can be controlled and managed by remote cluster through login to cloud service platform.

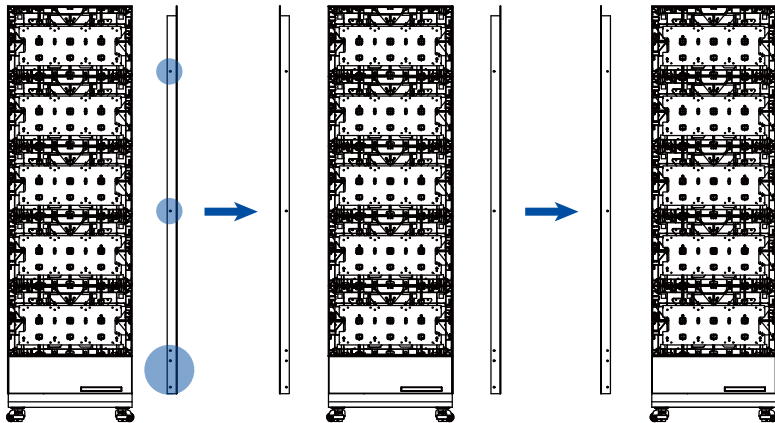
## 4.3 Multi-units Cascade Extended Display Application

### 4.3.1 Multi-units Splicing Installation

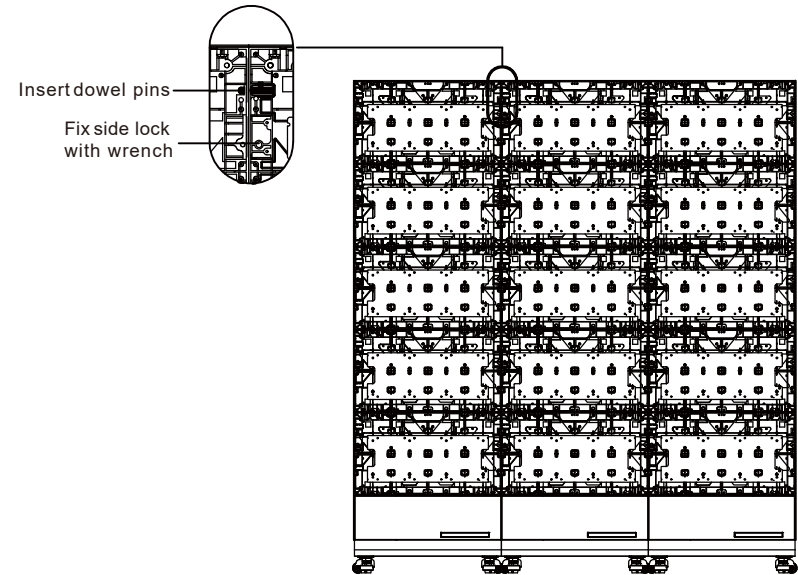
Taking three POSTAR splicing as an example, the following steps can be used to illustrate the splicing method for more than three POSTAR:

- ① Remove the five screws on the first POSTAR right frame and remove its right frame;
- ② Remove the five screws of the left and right frames of POSTAR in the middle and remove the left and right frame respectively;
- ③ Remove the five screws of the last POSTAR left frame and remove the left frame.

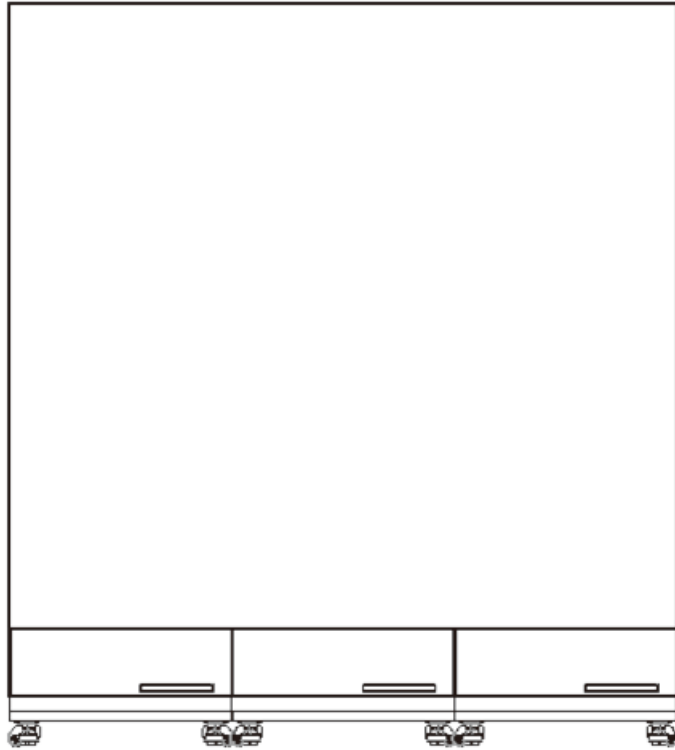
Note: Frames and screws removed should be properly stored for later use.



- ④ Connect three POSTAR in turn and insert dowel pins to lock adjacent two modules, and then fix the side lock with wrench.

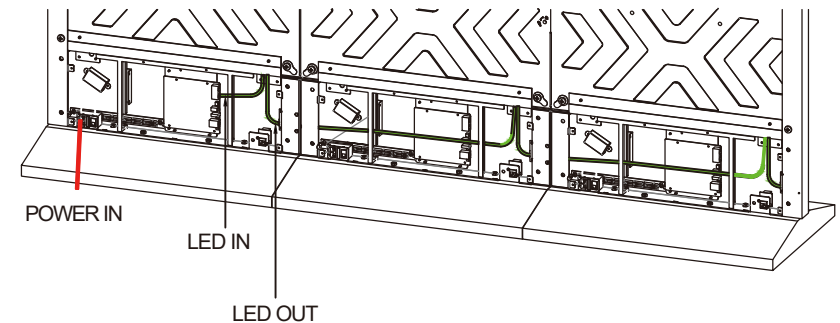
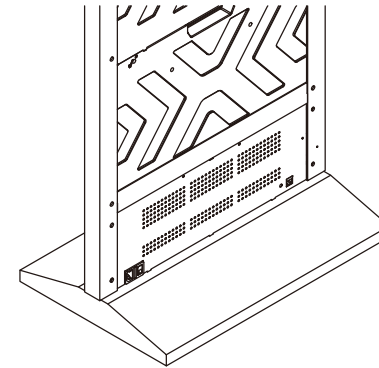


- ⑤ Install all modules refer to steps in “3.2 Module Installation”



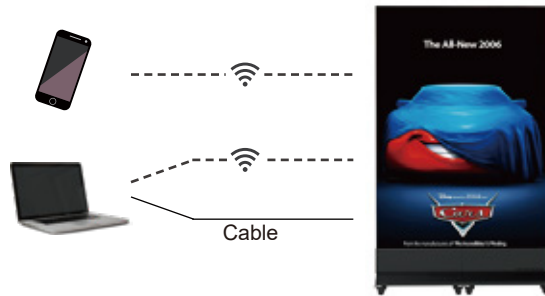
#### 4.3.2 Multi-units Splicing Wiring(Inside Power Box)

- ① Remove two screws from the back cover of each POSTAR power box and remove the back cover;
  - ② Pull out cables of the latter two POSTAR LED IN ports and connect cables to the LED OUT port of front one in turn;
  - ③ Mount back cover of each POSTAR power box;
- Connect each power cord to start up POSTAR refer to the steps in “ Start up”.

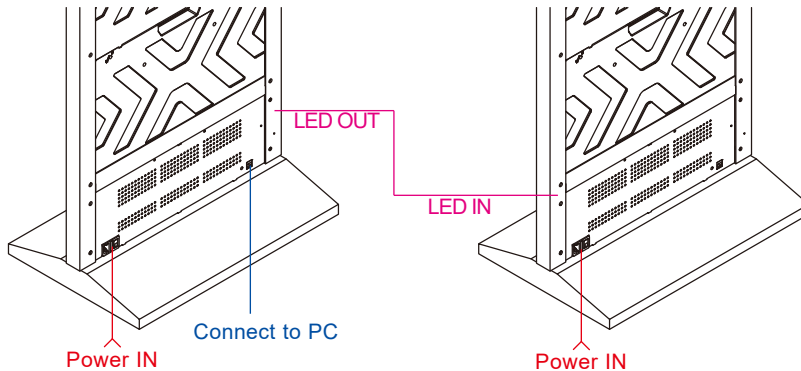
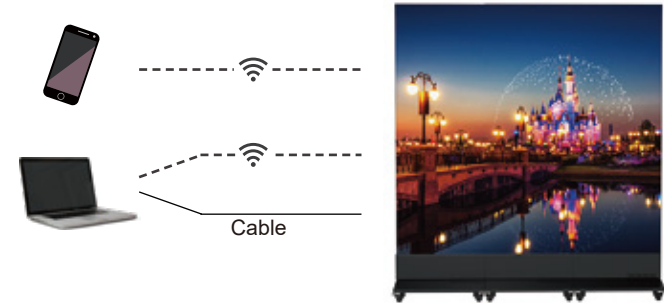


#### 4.3.3 Multi-units Splicing System Connection

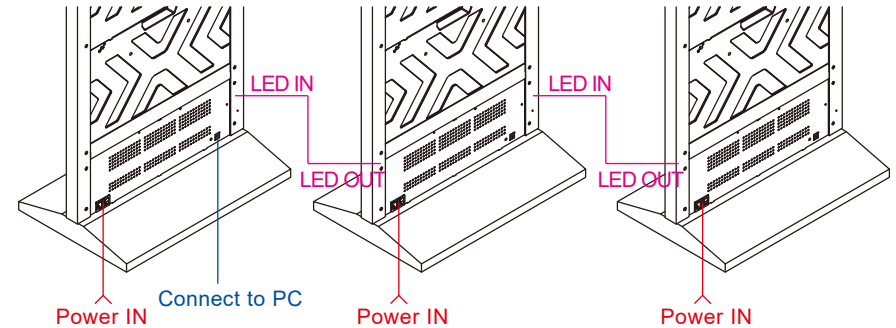
##### 1) 2 Units Cascade Application



##### 2) 3 Units Cascade Application

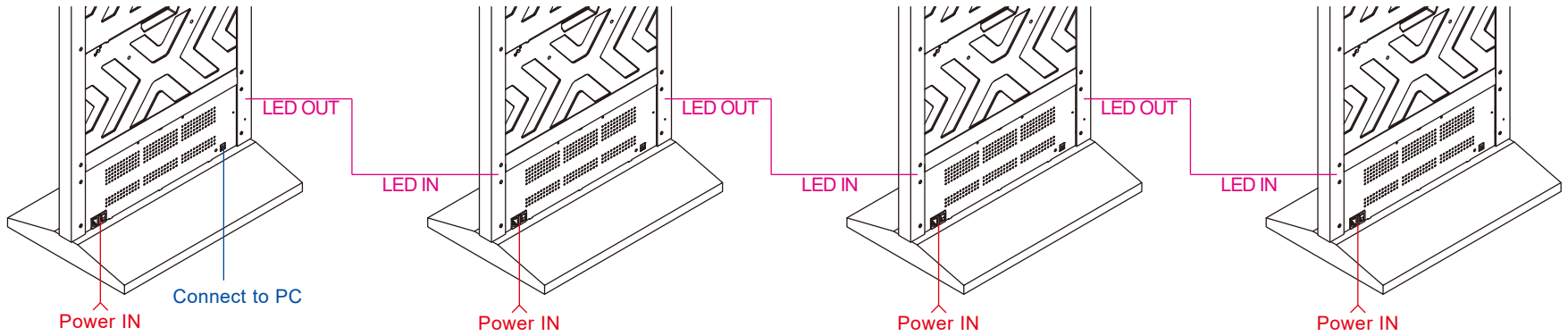
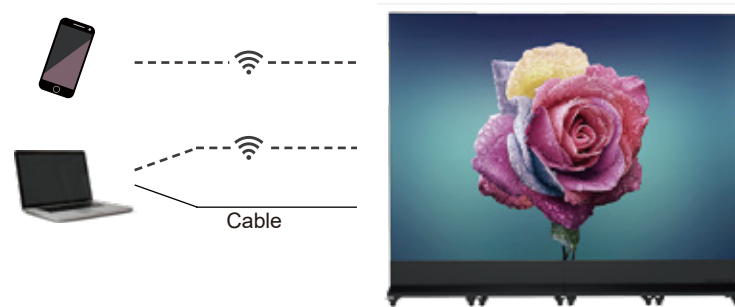


Note: POSTAR 1.9-72" and POSTAR 2.5-72" can support 2 units cascade extended display with POSTAR built-in (T3) player.



Note: POSTAR 2.5-72" can support 3 units cascade extended display with POSTAR built-in (T3) player.

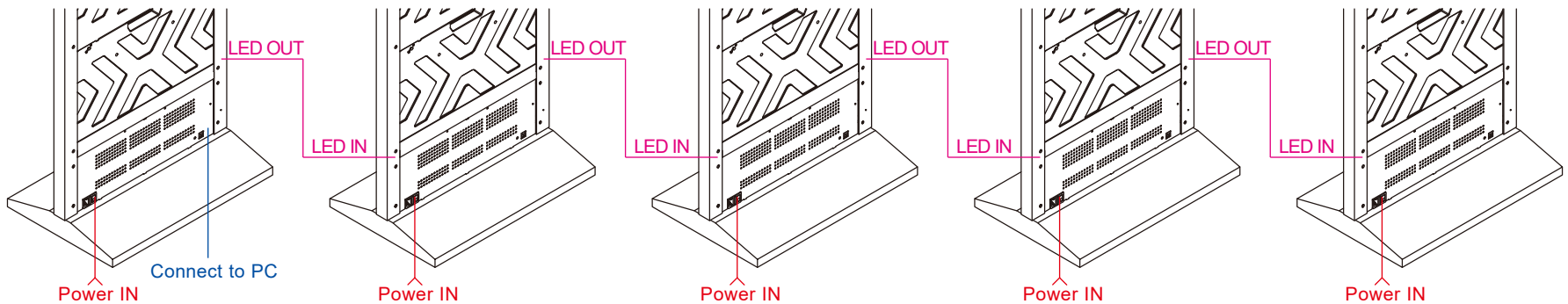
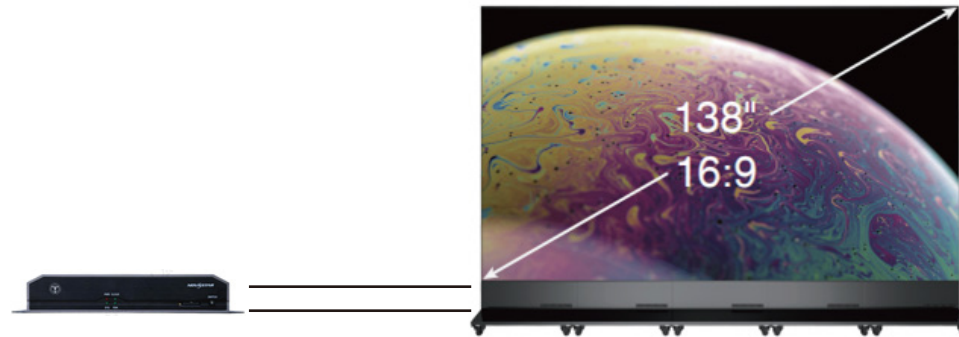
### 3) 4 Units Cascade Application



Note: POSTAR 2.5-72" can support 4 units cascade extended display with POSTAR built-in (T3) player.



#### 4.4 External Device Extended Display Application



Splicing application for more than one POSTAR 1.5-72", two POSTAR 1.9-72" and four POSTAR 2.5-72" shall need external players. TB50 or TB60 external players can be selected according to splicing resolution.

# 5. Software Operating Instructions

## 5.1 PCMaterial Publish

### 1) Software installation

① Plug USBkey to PCand install the play software [ ViPlex ExpressV x. x. x Setup] in Diagram 5.1,the icon in Diagram 5.2 will on the desktop if the software is successfully installed.

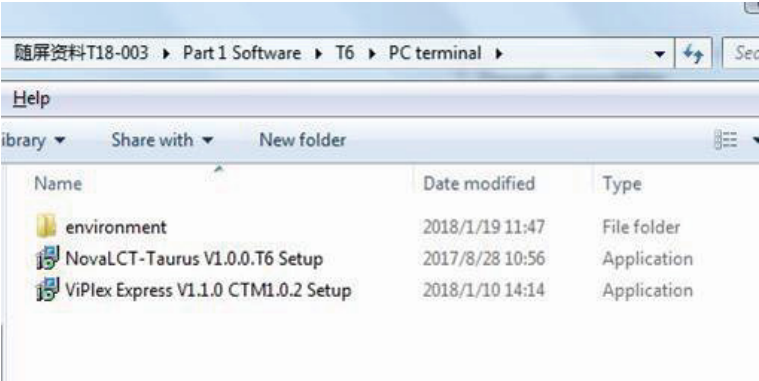


Diagram 5.1

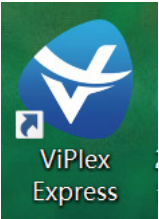


Diagram 5.2

### 2) Network Connection

② Open PCWLAN and connect POSTAR Wi-Fi, see Diagram 5.3;

- Network Name: Apxxxxxxxx (for example:AP10000033)
- Network Password: 12345678

Note: The network name of each POSTAR is marked on the back cover of power box, as shown in Diagram 5.4.



Diagram 5.3



Diagram 5.4

### 3) Player Software [ ViPlex Express] Setting

③ Open ViPlex Express, find corresponding POSTAR and click [Connect], input user name and password and click [OK] as shown in Diagram 5.5.

Note: The initial user name of each POSTAR is admin, and the initial password is 123456.

### 4) Program List Making

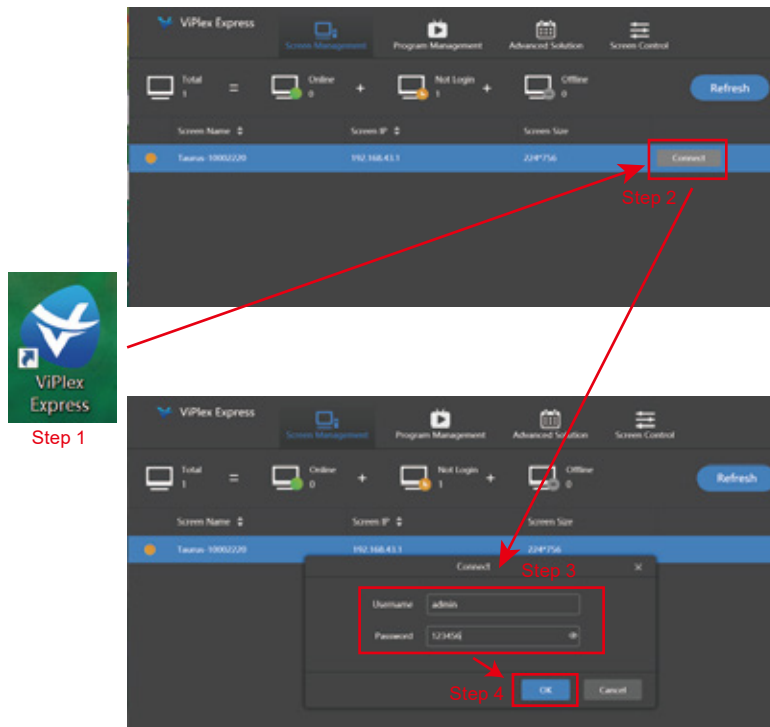
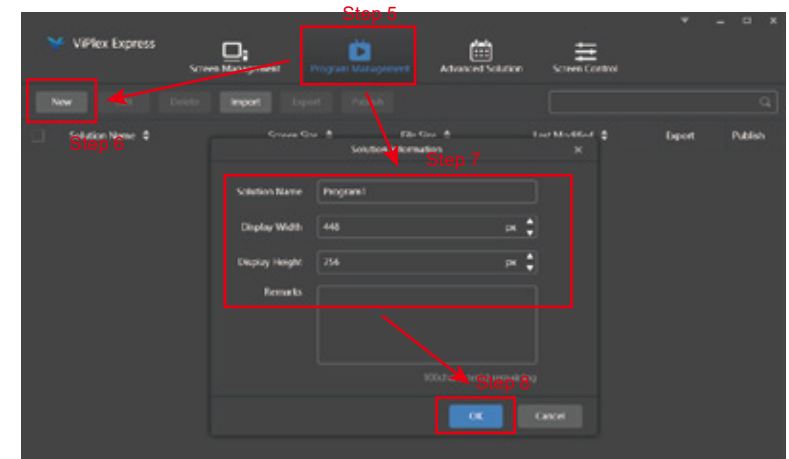


Diagram 5.5



Note: The standard resolution of each POSTAR II 1.5-72" must be set to 384\*1080, the standard resolution of each POSTAR II 1.9-72" must be set to 320\*900, and the standard resolution of each POSTAR II 2.5-72" must be set to 240\*675. The resolution can be modified according to the type and quantity of POSTAR in real application.

④ According to the number of materials click on the [+] add pages, each page can choose to add text, pictures, videos, motion pictures and other format materials, as shown in Diagram 5.6.

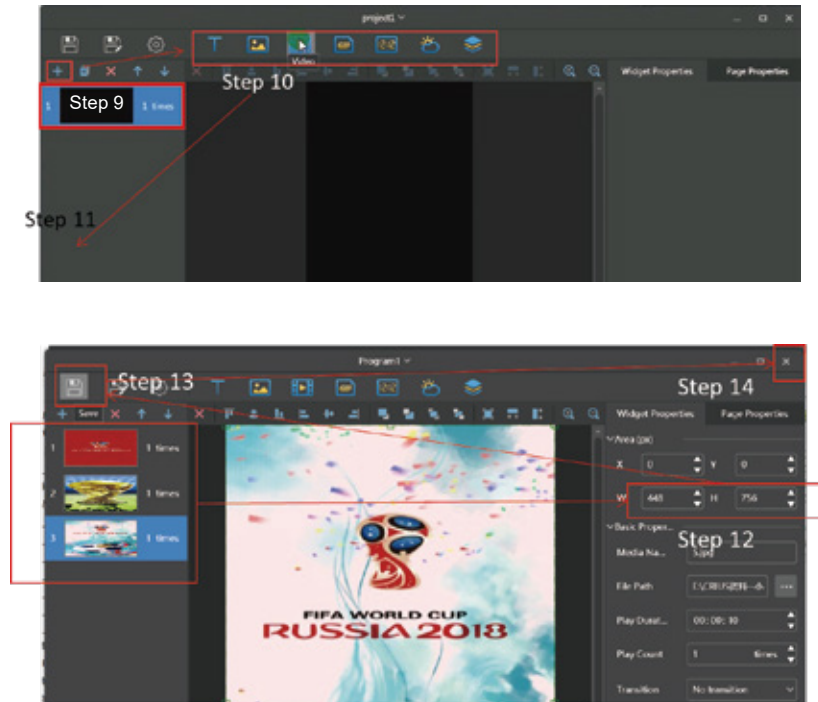
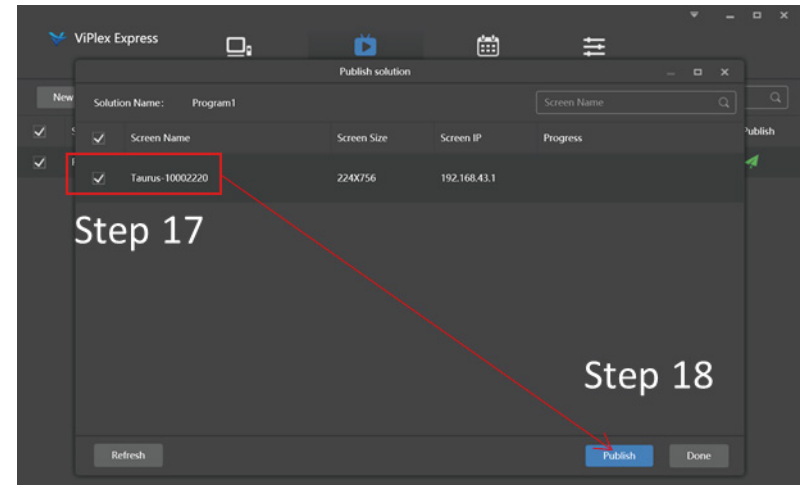
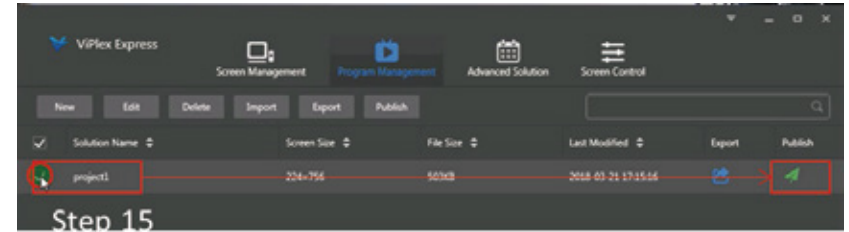


Diagram 5.6



## 5.2 Mobile Phone Material Publish

### 1) Mobile Phone App Installation

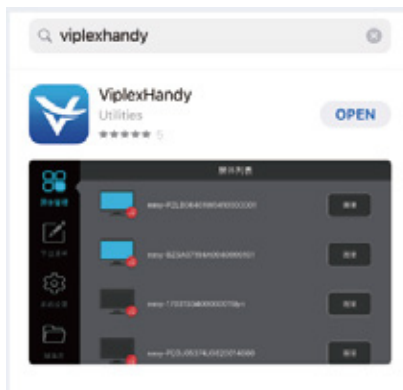
#### a) Android system mobile phone:

Scan the QR code below, download the Viplex software installation package and install it.



#### b) IOS system mobile phone:

Search Viplex Handy in App Store and download to install.



### 2) Network Connection

- ① Open mobile phone WLAN and connect POSTAR Wi-Fi;  
Network Name: Apxxxxxxx (for example: AP10000033)  
Network Password: 12345678

Note: The network name of each POSTAR is marked on the back cover of power box, as shown in Diagram 5.7.

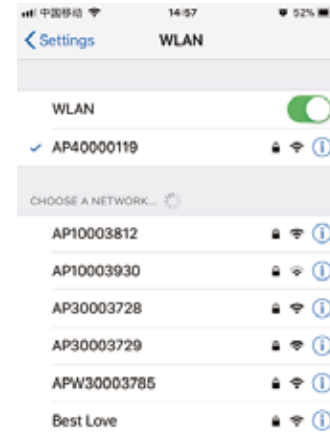


Diagram 5.7

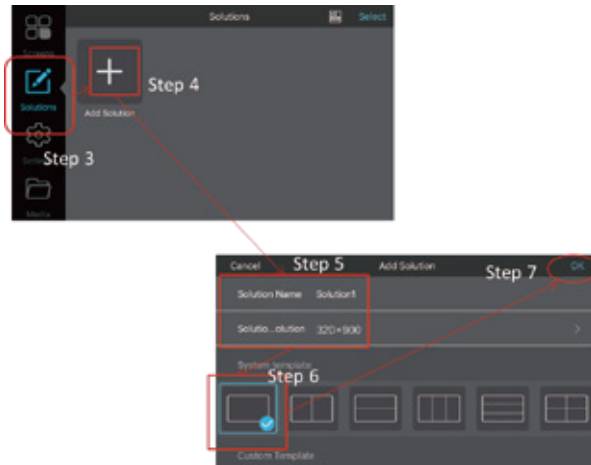
② Open ViPlex Handy, find corresponding POSTAR and connect as shown in Diagram 5.8.

Note: The initial user name of each POSTAR is admin, and the initial password is 123456.



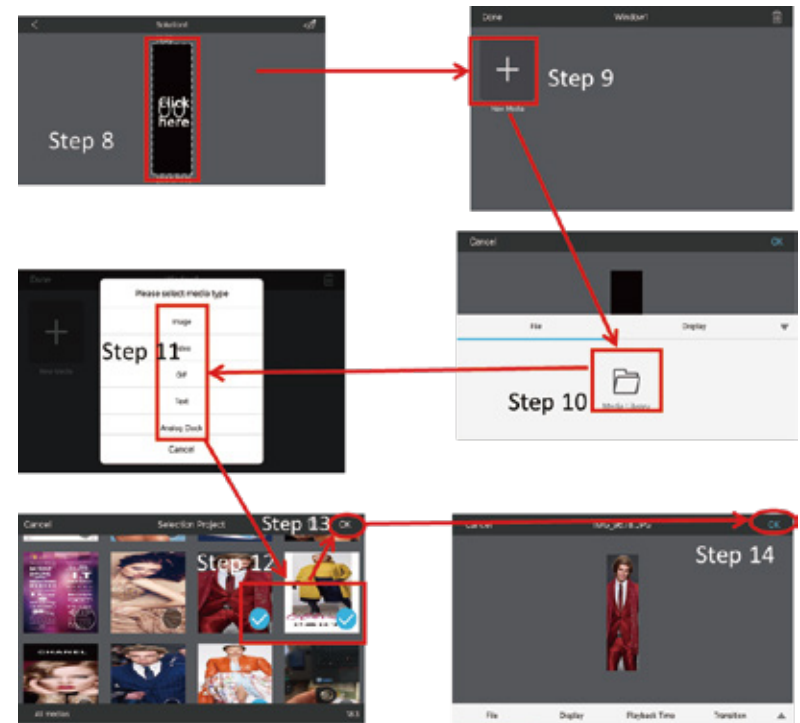
Diagram 5.8

### 3) Program List Making



Note: The standard resolution of each POSTAR II 1.5-72" must be set to 384\*1080, the standard resolution of each POSTAR II 1.9-72" must be set to 320\*900, and the standard resolution of each POSTAR II 2.5-72" must be set to 240\*675. The resolution can be modified according to the type and quantity of POSTAR in real application.

### 3) Program List Making




5.3 Modify Configuration File

Note: Configuration files (.rcfg files and .scr files) shall be modified for more than one units cascade application.

Configuration file list:

Screen	.rcfg file	.scr file
2pcs of POSTAR1.9-72"	POSTAR1.9_160×180	1.9_V2×1
2pcs of POSTAR2.5-72"	POSTAR2.5_120×135	2.5_V2×1
3pcs of POSTAR2.5-72"	POSTAR2.5_120×135	2.5_V3×1
4pcs of POSTAR2.5-72"	POSTAR2.5_120×135	2.5_V4×1
5pcs of POSTAR1.9-72"	POSTAR1.9_160×180	1.9_V5×1
5pcs of POSTAR2.5-72"	POSTAR2.5_120×135	2.5_V5×1

5.3.1 Import .rcfg File

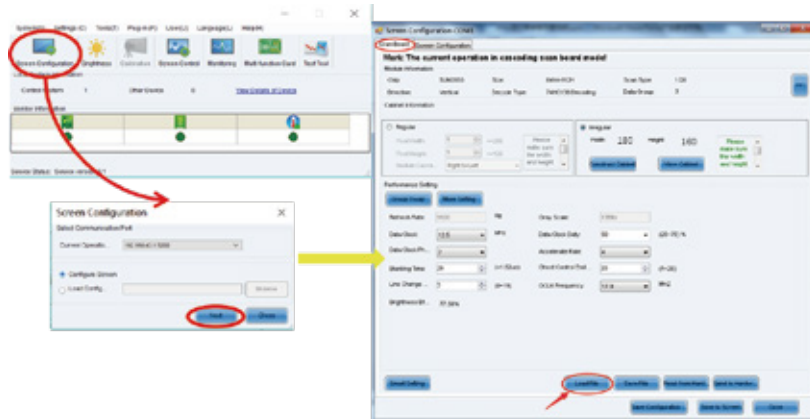
- ① Open Wi-Fi switch on PC, search and connect POSTAR Wi-Fi hotspot( user name: admin, initial password: 12345678);
- ② Install control software  NovaLCT V5.0.0.exe , and run the NovaLCT;



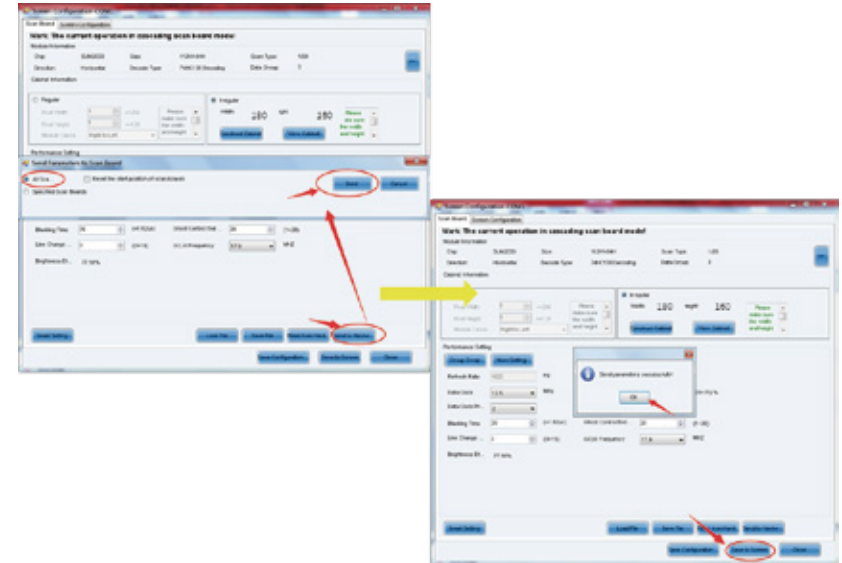
- ③ Search terminal and connect( user name: admin, initial password: 123456 in this step);



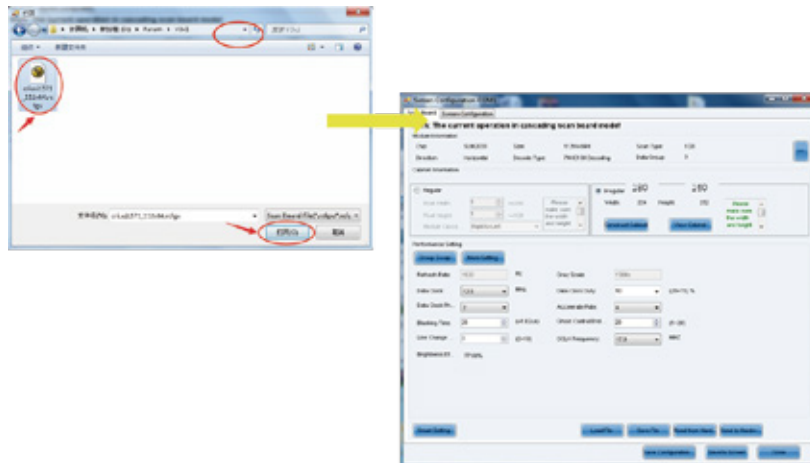
④ Import \*.rcfg file;



⑥ Send and save .rcfgx file;



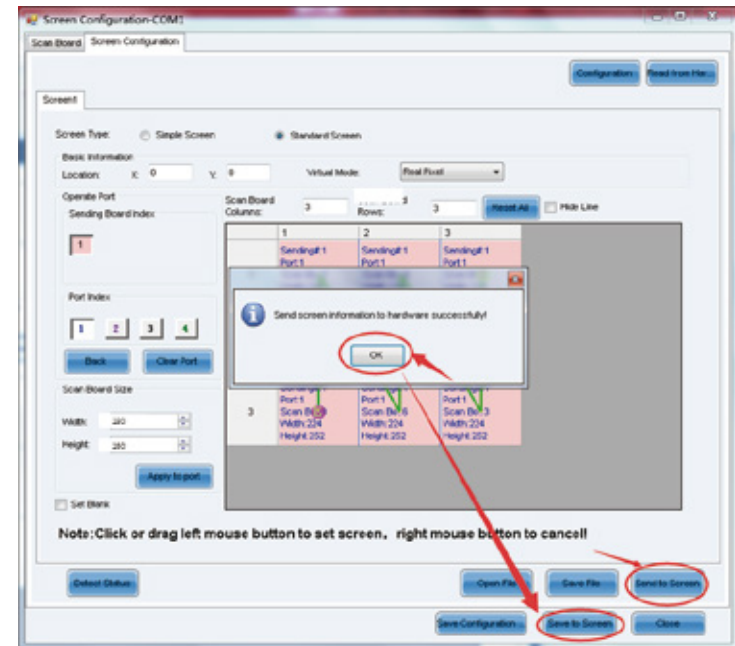
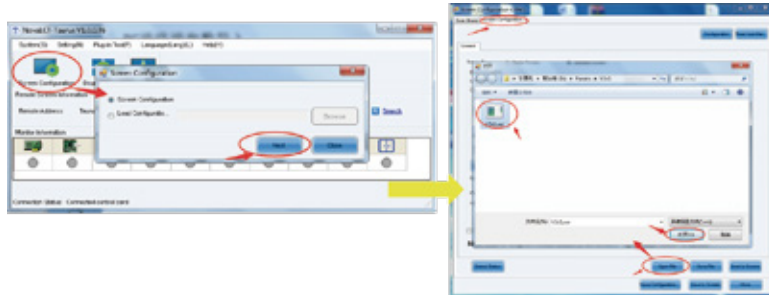
⑤ ISelect\*.rcfgx file in the corresponding folder according to application mode





### 5.3.2 Import .scr File





According to the application mode, select the \*.scr file in the



Note: Only after clicking “Save to Screen”, the settings can come to effect.  
At the same time, the image will be played according to the actual screen size.

## 6. Maintenance Instructions

### 6.1 Common Faults and Troubleshooting



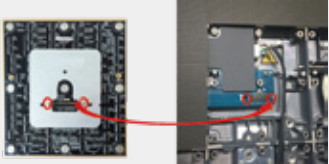
No.	Malfunction	Malfunction Analysis	Solution
1	 whole screen fails	1. The power adapter is not plugged in correctly; 2. The on/off button is not turned on; 3. Controller malfunction.	1. Check the power adapter and on/off button; 2. Replace the malfunctioning controller.
2	 one or more than one panels fail on the upper side of screen	1. Power cord malfunction between modules; 2. Signal cable malfunction between modules.	1. Check internal wiring connection and replace the malfunctioning ones.
3	 certain module fails	1. Display unit board malfunction; 2. Panel drive unit socket malfunction.	1. Replace the malfunctioning module. 2. Replace malfunctioning panel drive unit.
4	 certain panel fails	1. Bridge board malfunction; 2. Receiving card malfunction.	1. Check bridge board and receiving card and replace malfunctioning ones.

Note: For any other malfunctions during operation, please contact your supplier for support.

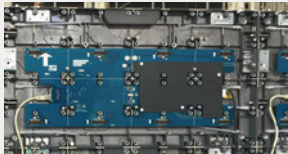
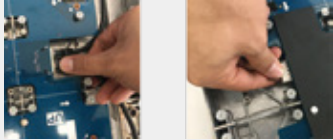
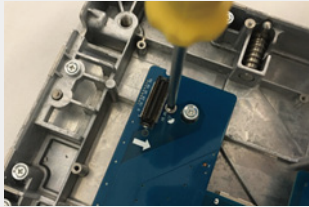
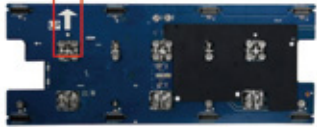
6.2 Parts Replacement

All of following parts must be operated in the power-off state for your safety.

6.2.1 Replacing Module

Step	Diagram	Method
Step 1		Place the front maintenance tool about 3 cm above the center of the fault module, and screw the magnet out of the rotary tool.
Step 2		Remove the module horizontally.
Step 3		Align the positioning holes of the spare module to the position of the bridge board holes (note the arrow direction upward), observe whether the display screen is normal after power-on.

6.2.2 Replacing Bridge Board( or Receiving Card)

Step	Diagram	Method
Step 1		Remove all LEDboards from the faulty cabinet.
Step 2		Disconnect the cable and power cord.
Step 3		Remove 8 screws from bridge board.
Step 4		Install the new bridge board in the corresponding position with the screw removed in the previous step (pay attention to the direction of the bridge board upward), reconnect the cable to the corresponding position, and observe whether the screen display is normal after power-on.

Note: The receiving card is installed on the side of bridge board. After step 2, the receiving card can be directly pulled out and replaced.

### 6.2.3 Replacing Controller(or Power Supply)

The controller and power supply are installed under the power box. Refer to the step of "4.3.2 Multi-units Splicing Wiring (in Power Box)" to remove the back cover of the power box and replace the controller and power supply.

Note: In addition to the above instructions, the replacement of other parts can be directly contacted with the supplier.

## 7. Warranty and After-sales Service

### 7.1 Warranty Policy

Our company provides high-quality after-sales service for POSTAR with a four-year warranty. In order to meet customers' long-term warranty requirements, our company can provide extended warranty services. Specific policies shall be consulted with sales staff.

### 7.2 After-sales Service

#### Hotline: +1300 841 542

Once our after-sales service center receives your requirement, we will arrange professional and technical personnel to provide support at the first time.

## 8. Special Statement

- 1) Intellectual Property Rights Statement: The hardware design and software program of this product are protected by copyright, and any copy of the contents of this product and manual without the authorization of the company, corresponding legal liability will be assumed.
- 2) The contents of this manual are for reference only and do not constitute any form of commitment.
- 3) The Company reserves the right to improve and change the design of products without prior notice.