SHOWLED

Animation Manual
Version-3.0

3 Play ▶

2 Upload

1 Connect

SHOWLED
animation controller

POWER

OUTPUTS

ETHERNET

1 2 3 4 5 6 7 8

Luminex

GigaSwitch 8

1 2 3 4 5 6 7 8

SHOWLED

SELECT   CVBS   S-VIDEO   VGA   ETHERNET   POWER

1 Connect

2 Upload

3 play

ShowLED
Animation Controller 18

TROUBLESHOOTING

4   5

3 Play ▶

2 Upload ⬆

1 Connect 🔌

Connection for Playback — Play

Upload to V-box

Connection for Upload to V-box

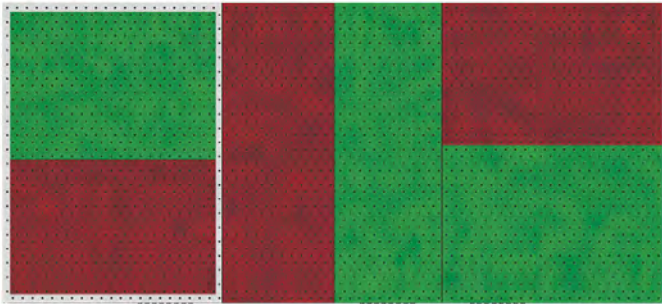ShowLED Editor

Connection for Configuration
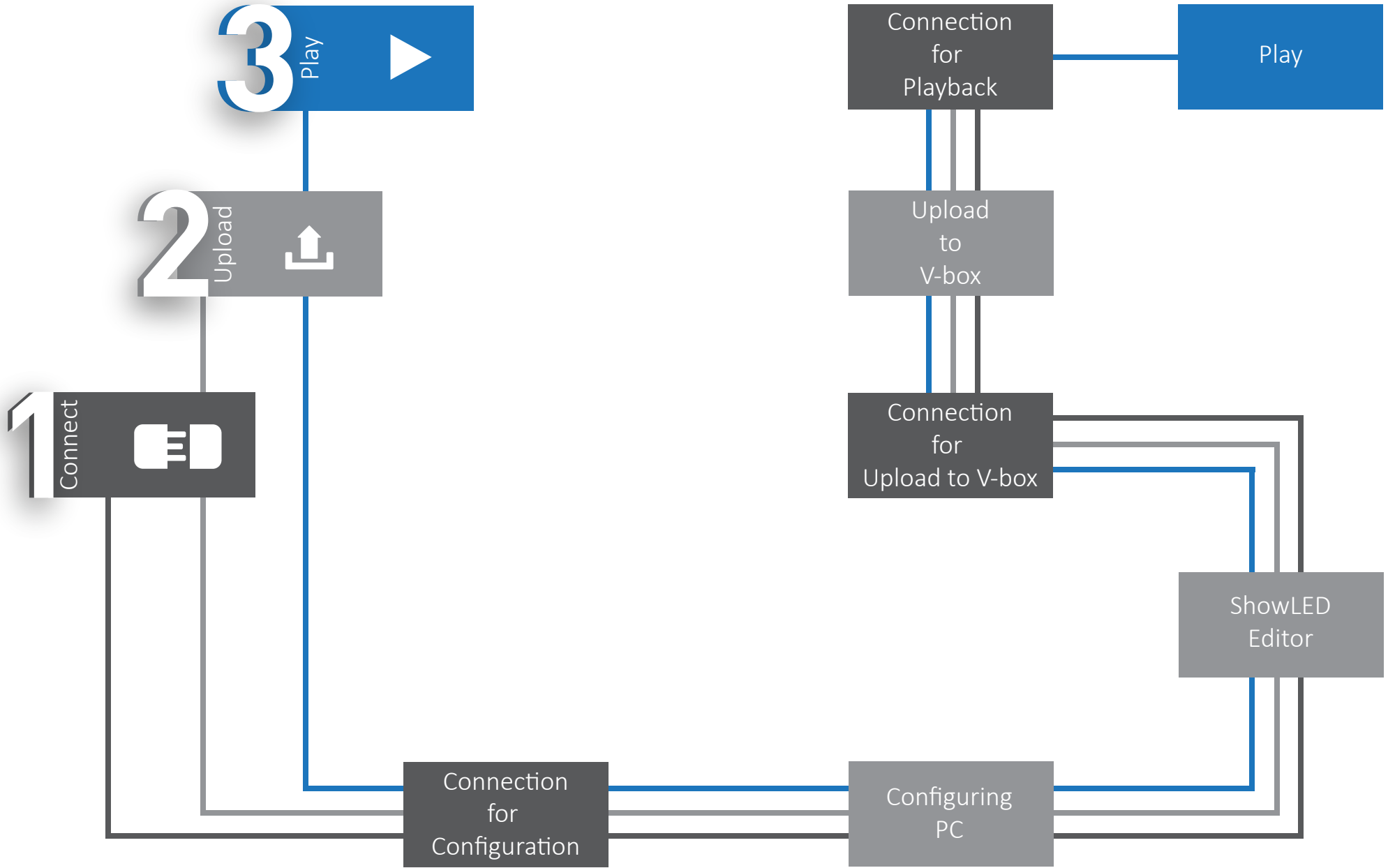
Configuring PC

Note : Configuring and upload are not required for each show if the curtains remain in same position and orientation.

CONNECTION FOR CONFIGURATION

CONNECTION FOR UPLOAD

Panels
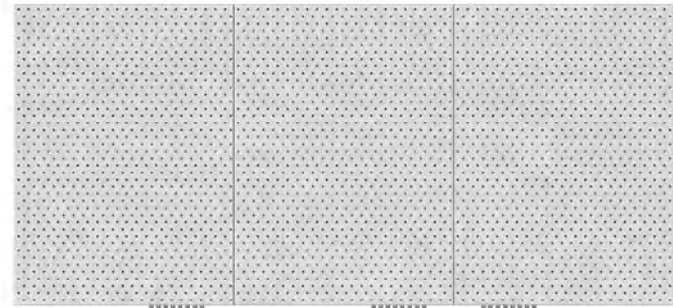
SL Animation Controllers

Ethernet Switch

Configured PC with Showled Editor

Showled V-box

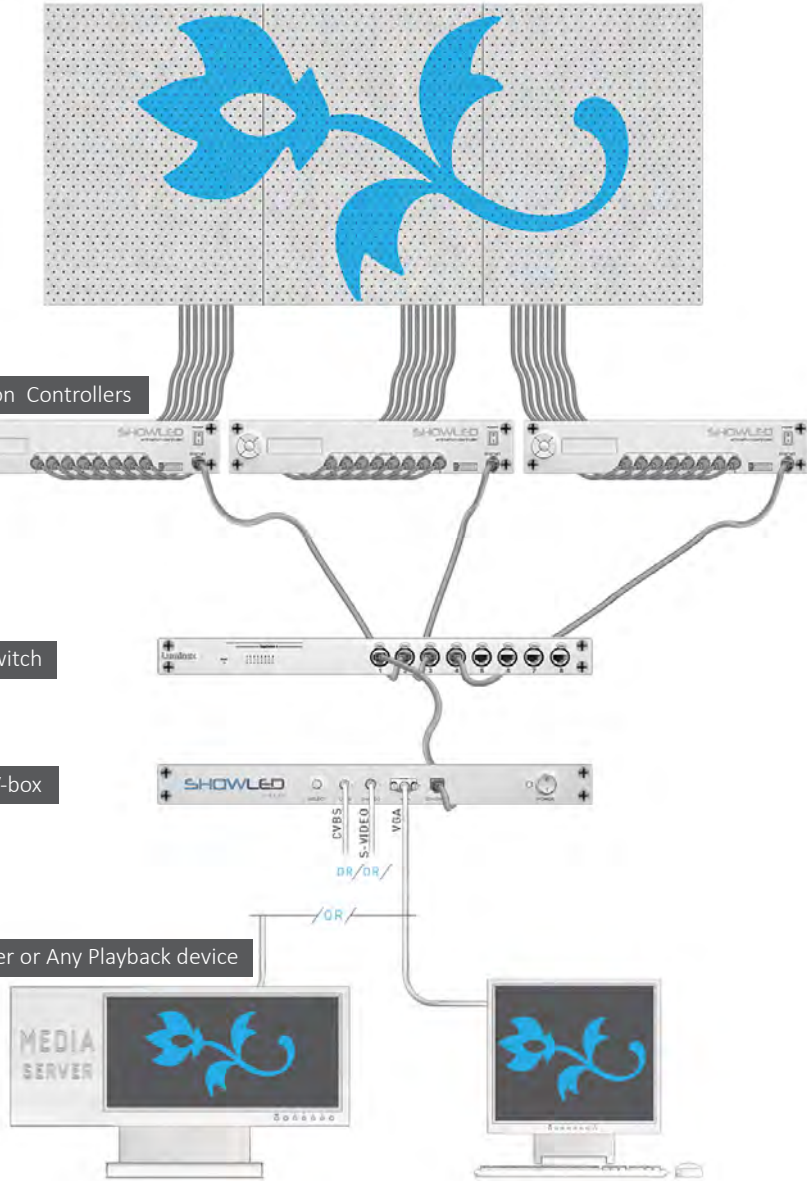Configured PC with TFTP Client

Connect

CONNECTION FOR PLAYBACK

Panels

SL Animation Controllers

Ethernet Switch

ShowLED V-box

CVBS
S-VIDEO
VGA
DR/OR/

/OR/

Media Server or Any Playback device

MEDIA SERVER

Upload

CONFIGURING PC

Disable Antivirus

Disable Firewall

Disable Wireless Connections

○ Obtain an IP address automatically
◉ Use the following IP address:
IP address: `10 . 0 . 0 . 2`
Subnet mask: `255 . 0 . 0 . 0`
Default gateway: `.   .   .`

○ Obtain DNS server address automatically
◉ Use the following DNS server addressess:
Preferred DNS server: `.   .   .`
Alternate d DNS server: `.   .   .`

Change IP Address

Interface Overview

Startup Screen

SHOWLED EDITOR CONFIGURATION

SHOWLED
CREATIVE LED SOLUTIONS

Graphics | Input

Screen resolution   1024 x 768   ☑ Windowed
Graphics Quality   Fantastic
Select Monitor   Display 1

Play !   Quit

Menu

SHOWLED EDITOR

Stock Area

Workspace Area

Menu Overview

Split display between stock and workspace areas

Show only stock area

Show only workspace area

Center and zoom stock view to display all contained items

Center and zoom workspace view to display all contained items

Re-check for any connected panels which are not shown in workspace area

Save the patchwork to SLC file

Quit the application

SHOWLED EDITOR

Shift vertically selected panel by a number of centimeters
(+ to top,- to bottom)

Shift horizontally selected panel by a number of centimeters
(+ to the right,- to the left)

Adjust selected panel position to stick against nearest other panel in workspace area

Move selected panel back from workspace area to stock area

Move selected panel from stock area to workspace area

Rotate selected panel at 180^0

Rotate selected panel at 90^0 in counterclockwise direction

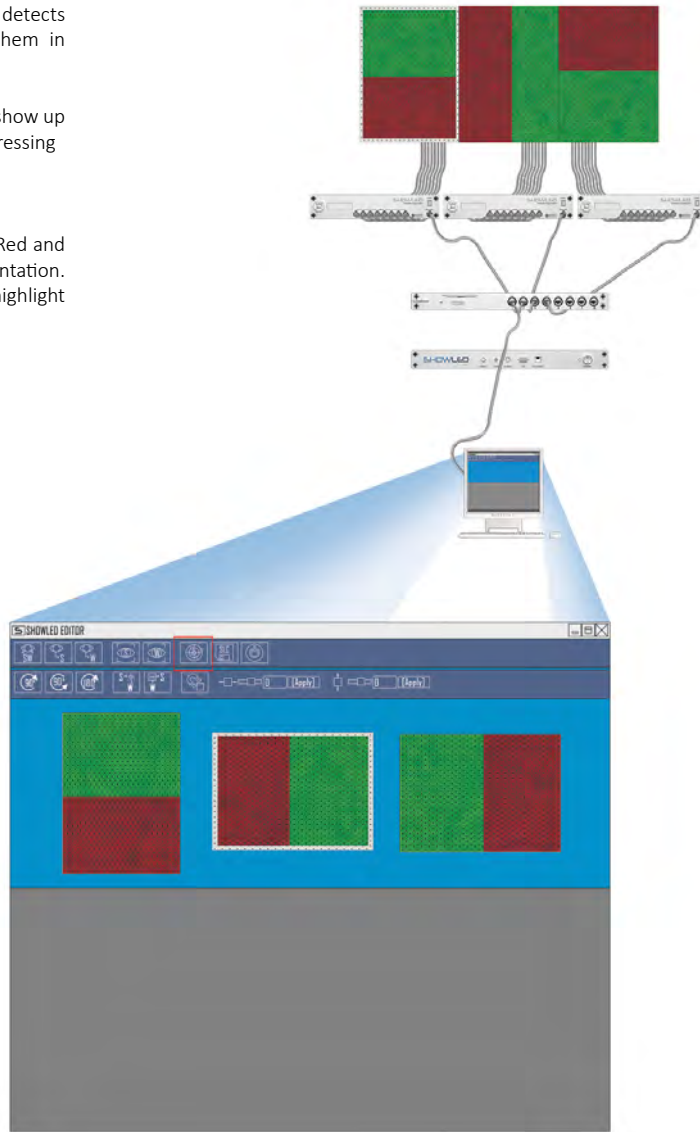Rotate selected panel at 90^0 in clockwise direction

Connecting Panels

Rotating Panels

ShowLED Editor automatically detects connected panels and displays them in the stock area.

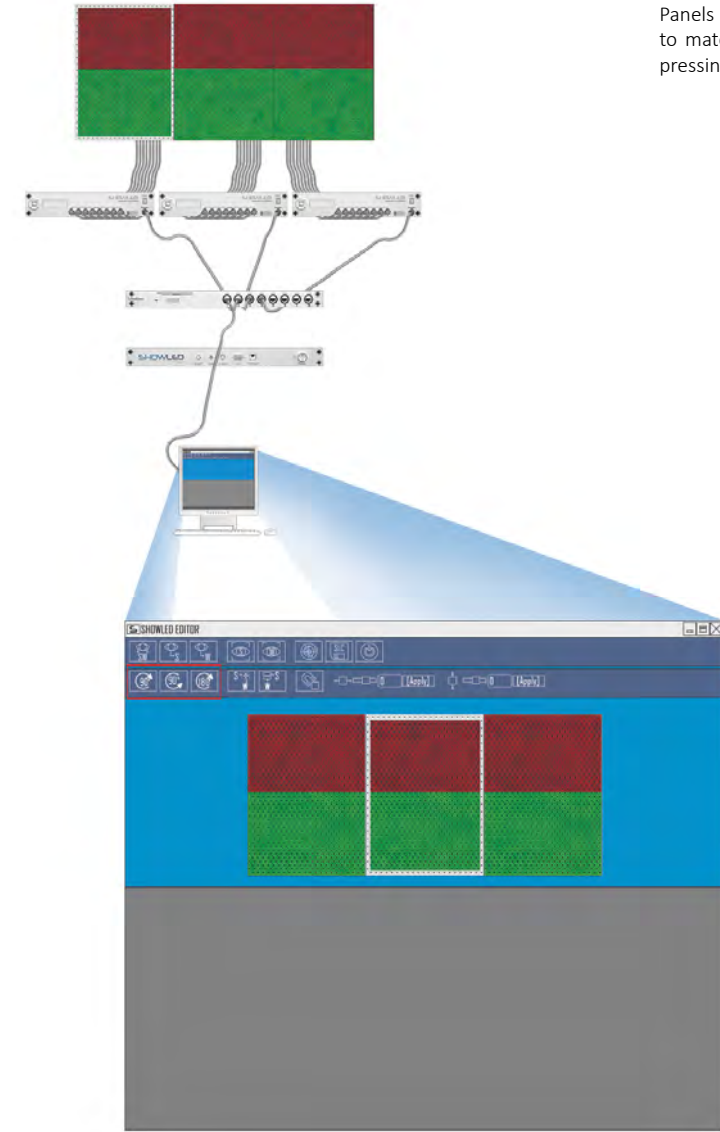In case connected panel does not show up in the stock area, do a rescan by pressing

Connected panels will light up as Red and Green halves to identify their orientation. Panels highlighted in Editor also highlight the physical panels.

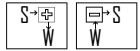Panels in the stock area can be rotated to match with the connected panels by pressing

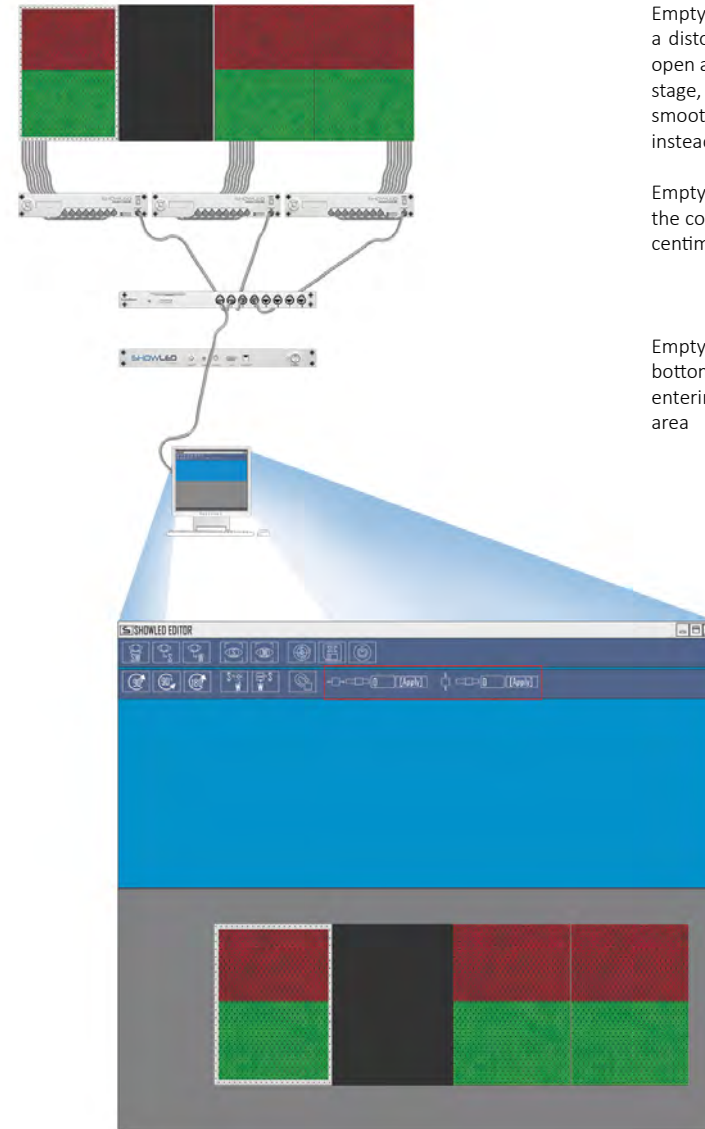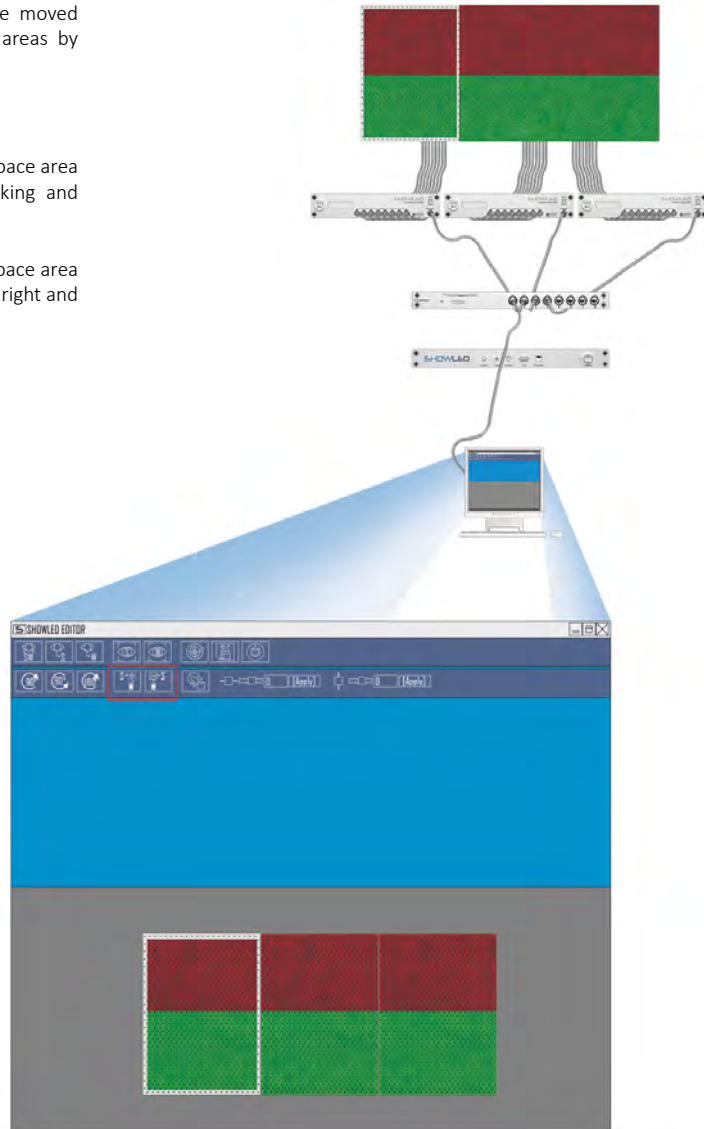## Moving Panels between Workspace and Stock Areas

Empty spaces

Rotation finalized panels can be moved between stock and workspace areas by pressing

Order of the panels in the workspace area can be adjusted by simply clicking and dragging panels.

Move down the panels to workspace area as per physical order from left to right and top to bottom.

Empty spaces can be inserted to prevent a distorted view. It can be used to insert open areas between panels such as doors, stage, ...and still have the content run very smoothly over all the different panels instead of jumping from one to another.

Empty spaces can be added left or right of the connected panel by entering values in centimeters on below area
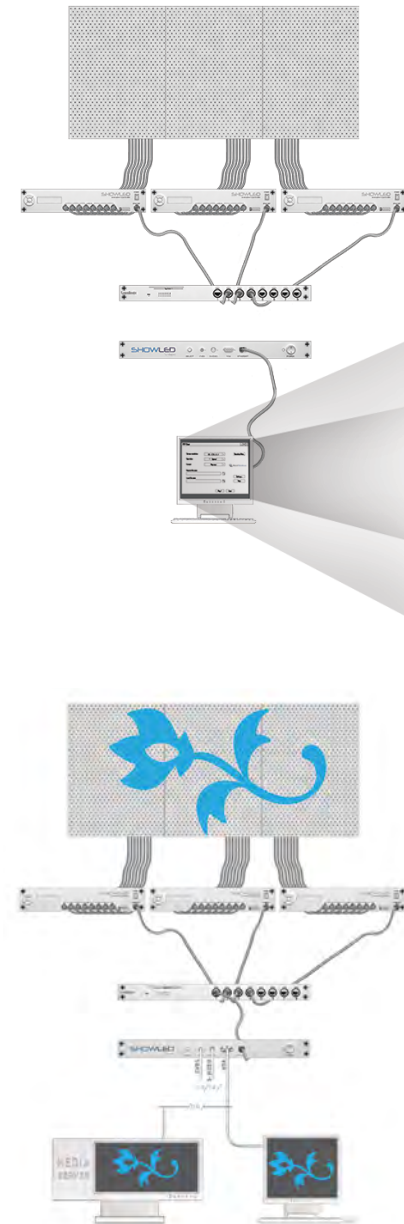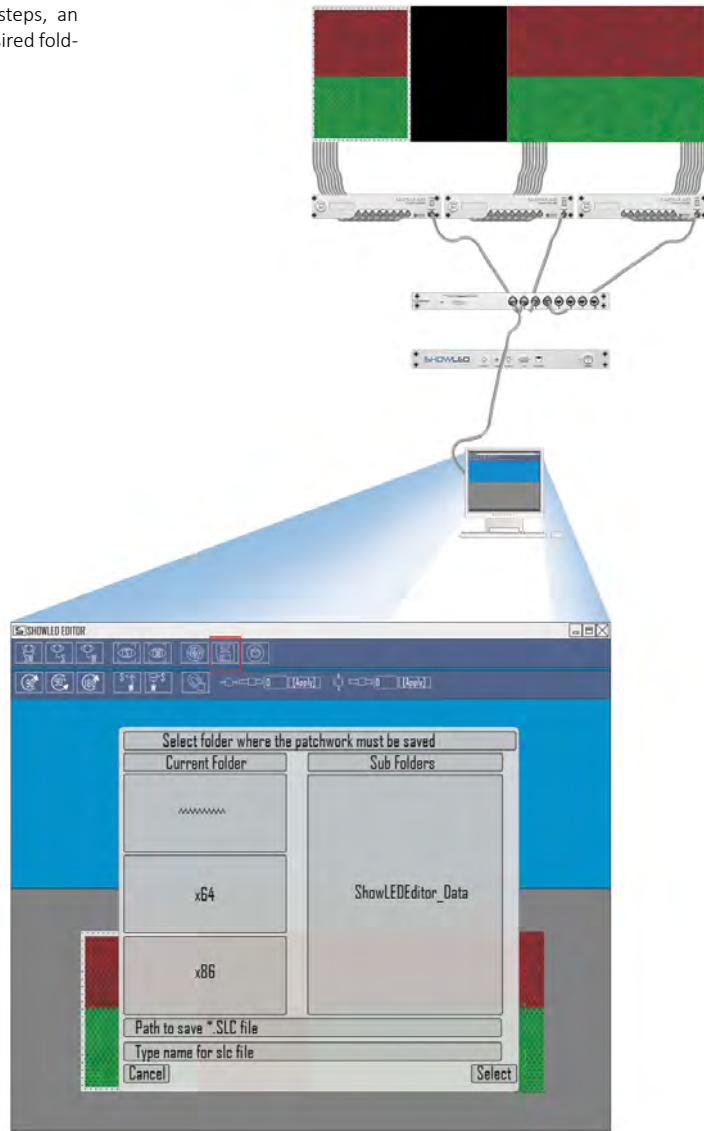
Empty spaces can be added to top or bottom of the connected panel by entering values in centimeters on below area

Saving *.SLC files

UPLOADING TO V-BOX
PLAYING ANIMATION

After completing all required steps, an *.slc file can be created into a desired folder by pressing

Connection to Upload

Run TFTP Client

Enter Details

TFTP Server	10 . 128 . 0 . 1	Upload Now...
Operation	Upload	
Format	Binary	Weird Solutions
Local file name		
select ' name.slc 'file to upload		Settings...
Remote file name		
keep it blank		Help

Select folder where the patchwork must be saved

Current Folder	Sub Folders
ꟷꟷꟷꟷ	
x64	ShowLEDEditor_Data
x86	

Path to save *.SLC file

Type name for slc file

Cancel   Select
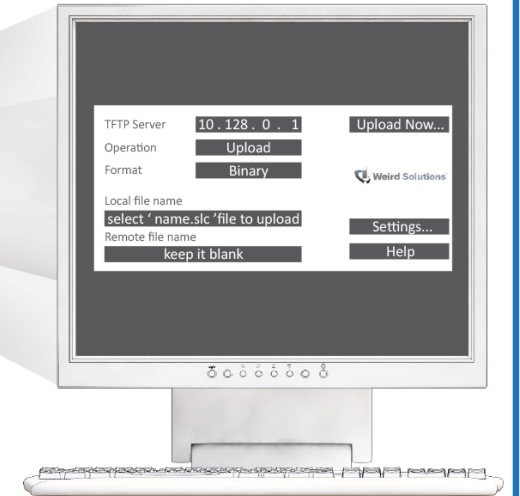
Click 'upload now'

Upload will be completed at 100%

Connection for playback

Start playing the content

TFTP Client Download Link : www.showled.com/downloads/

Overview

Menu Structure

POWER SWITCH 1

POWER SWITCH 2

ETHERNET PORT

SHOWLED
animation controller

POWER
0
1

ETHERNET

UP
LEFT SELECT RIGHT/SELECT
DOWN

LINE 1
LINE 2
LINE 3
LINE 4

STATUS DISPLAY

OUTPUTS

SPEED
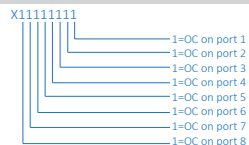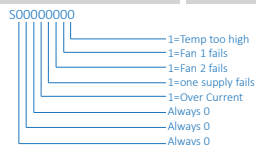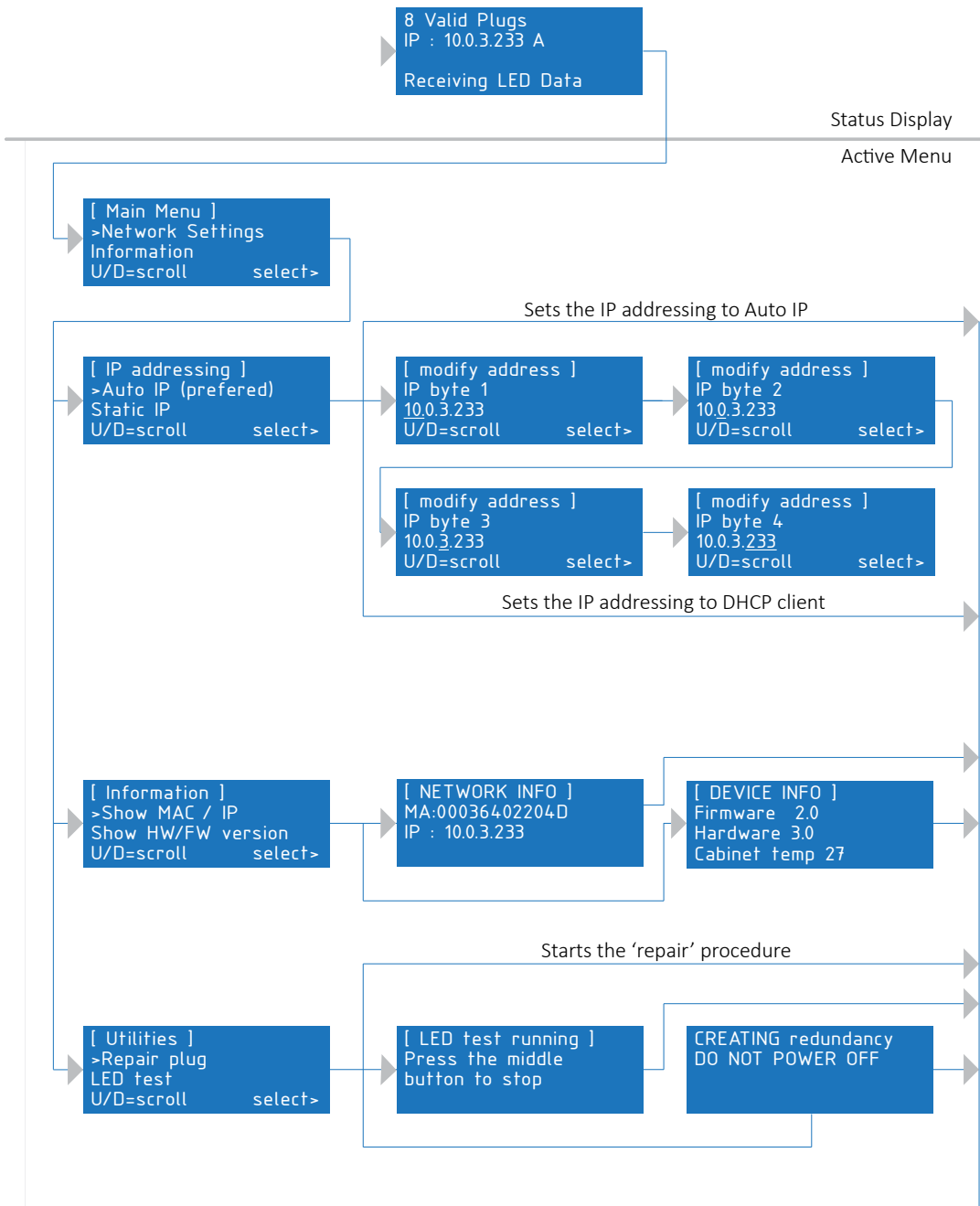STATUS
POWER
LINK?

NUMBER OF VALID PLUGS DETECTED
This should be the same amount of plugs connected to the controller

IP ADDRESS OF THE CONTROLLER ON THE NETWORK
IP address alphabetic suffix denotes type of addressing
A - Automatic IP addressing
S - Static IP addressing
D - Dynamic IP addresssing

WARNING MESSAGES
'Blank plugs detected', 'Make redundant now!'

SYSTEM MESSAGES
Messages can be status or error message

| MESSAGE	MEANING & SOLUTION
Receiving LED Data	The controller receives Ethernet data meant for projection to the animation cloth connected to it.
No Ethernet Link	There is no working Ethernet link with this controller. Check cables and network gear to resolve
DON'T HOT SWAP PLUGS	The controller has detected a power surge on one of his output ports. It's most probably caused by inserting a plug in an output port while the device is powered. It's advisable to only plug in connectors when the device is powered off.
OC on port xyz	There is an overcurrent on the ports 'xyz'. See troubleshoot manual to resolve.
One supply fails	One of the internal power supplies fails. See troubleshoot manual to resolve.
Fan 1 fails	Fan 1 is jammed, broken or the cable has come loose.
Fan 2 fails	Fan 2 is jammed, broken or the cable has come loose.
Fan 1&2 fails	Both fans are jammed, broken or the cables have come loose.
Temp too high	The cabinet temp is too high. Make sure that the ventilation inlets (two sides) and ventilation outlets (back) are free.
S00000000 X11111111	When there is more than one error at same time this bit field notation is used.

S00000000
1=Temp too high
1=Fan 1 fails
1=Fan 2 fails
1=one supply fails
1=Over Current
Always 0
Always 0
Always 0

X11111111
1=OC on port 1
1=OC on port 2
1=OC on port 3
1=OC on port 4
1=OC on port 5
1=OC on port 6
1=OC on port 7
1=OC on port 8

---

8 Valid Plugs
IP : 10.0.3.233 A

Receiving LED Data

Status Display

Active Menu

[Main Menu]
>Network Settings
Information
U/D=scroll   select>

Sets the IP addressing to Auto IP

[IP addressing]
>Auto IP (prefered)
Static IP
U/D=scroll   select>

[modify address]
IP byte 1
10.0.3.233
U/D=scroll   select>

[modify address]
IP byte 2
10.0.3.233
U/D=scroll   select>

[modify address]
IP byte 3
10.0.3.233
U/D=scroll   select>

[modify address]
IP byte 4
10.0.3.233
U/D=scroll   select>

Sets the IP addressing to DHCP client

[Information]
>Show MAC / IP
Show HW/FW version
U/D=scroll   select>

[NETWORK INFO]
MA:00036402204D
IP : 10.0.3.233

[DEVICE INFO]
Firmware 2.0
Hardware 3.0
Cabinet temp 27

Starts the 'repair' procedure

[Utilities]
>Repair plug
LED test
U/D=scroll   select>

[LED test running]
Press the middle
button to stop

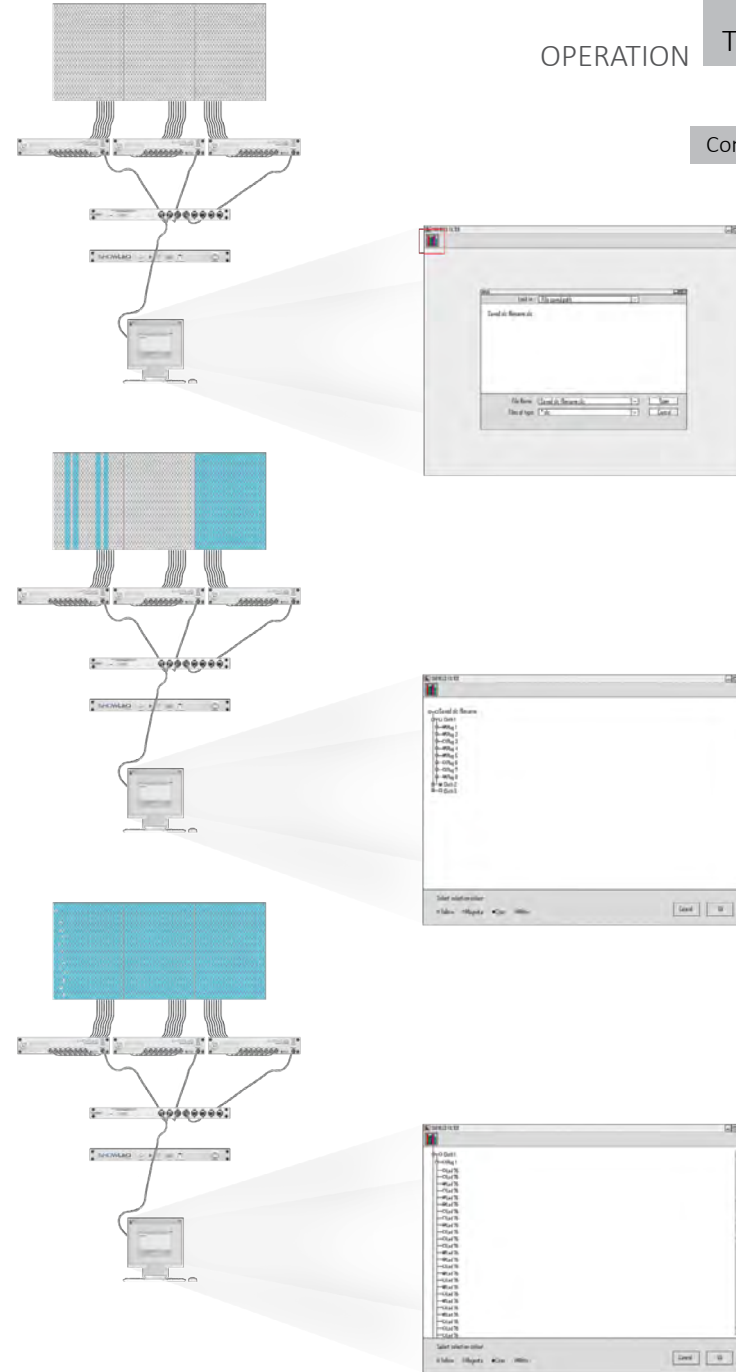CREATING redundancy
DO NOT POWER OFF

SHOWLED FILTER

Introduction

With the help of ShowLED Filter; specific areas can be turned off as the unique number of a broken LED can be determined.

Connection for Configuration

LED Filter Module

slc file selection open window
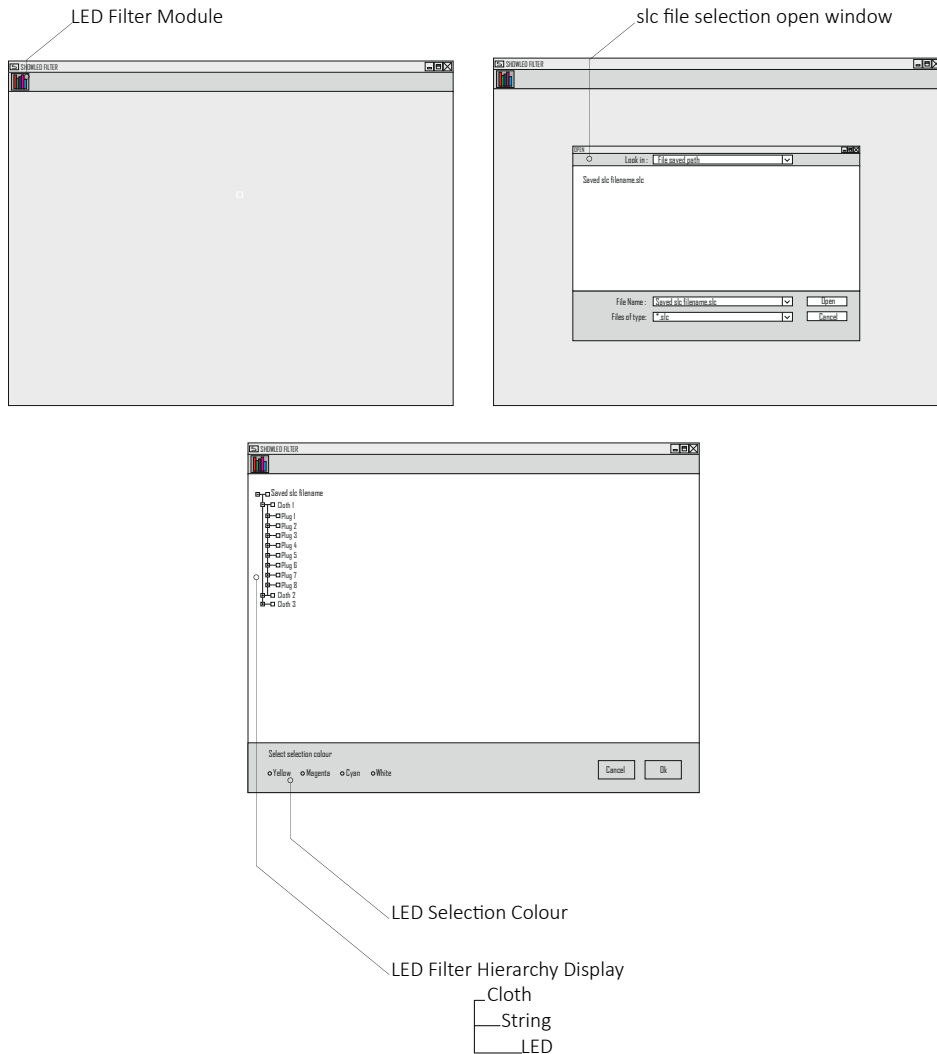
Press [icon] to select and open an slc file.

From the panels configuration heirarchy, either a cloth, string or an LED can be turned off/on by pressing space bar or mouse click on check box.

LED Selection Colour

LED Filter Hierarchy Display
- Cloth
  - String
    - LED

Each LED shares an unique number, this number is used as reference for replacement of broken LEDs.

After finishing the required configuration, press 'Ok' to save a new slc file. Saved slc file has to be reloaded into the V-box before the changes will have effect.

ShowLED Editor Download Link : www.showled.com/downloads/

TROUBLESHOOTING
LED REPAIR

Diagnosis
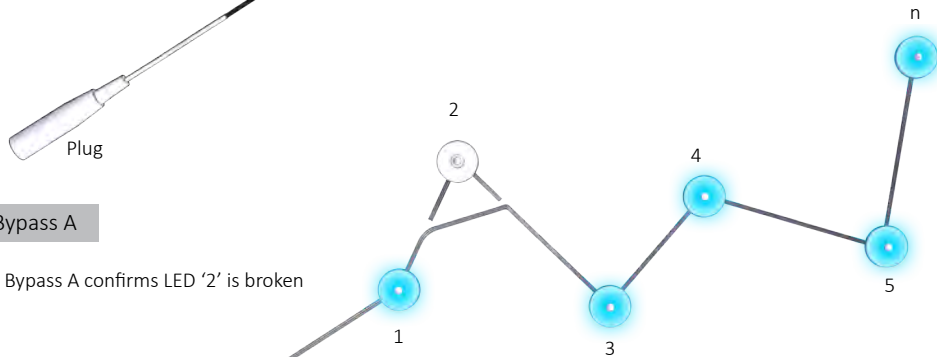
If LEDs after '2' are not working, then there is 25% chance of LED '2' is not transmitting or 75% chance of LED '3' is not receiving.
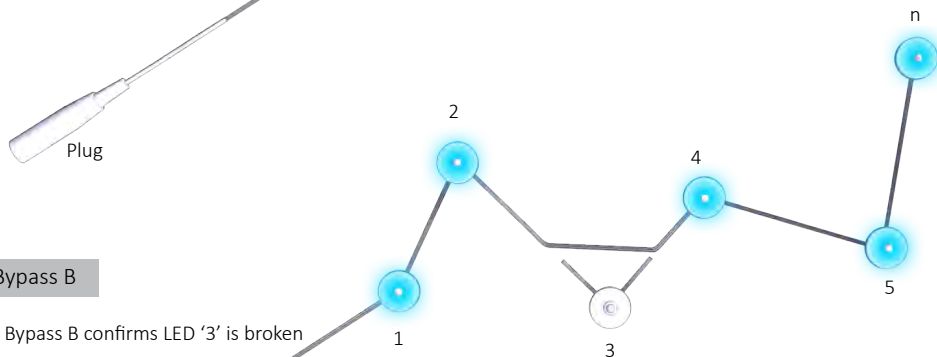
n

2

4

1

3

5
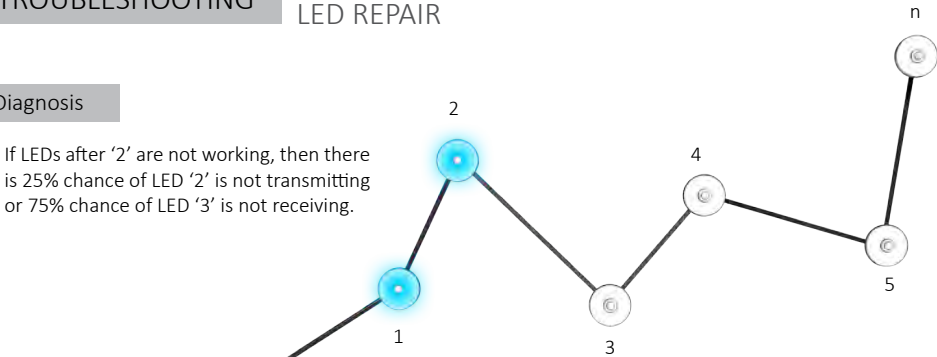
Plug

Bypass A

Bypass A confirms LED '2' is broken

n

2

4

1

3

5

Plug

Bypass B

Bypass B confirms LED '3' is broken

n

2

4

1

3

5

Plug

LED REPAIR
TROUBLESHOOTING

Identify and Email

Identify broken LED's unique number through ShowLED filter and mail to your ShowLED distributor.
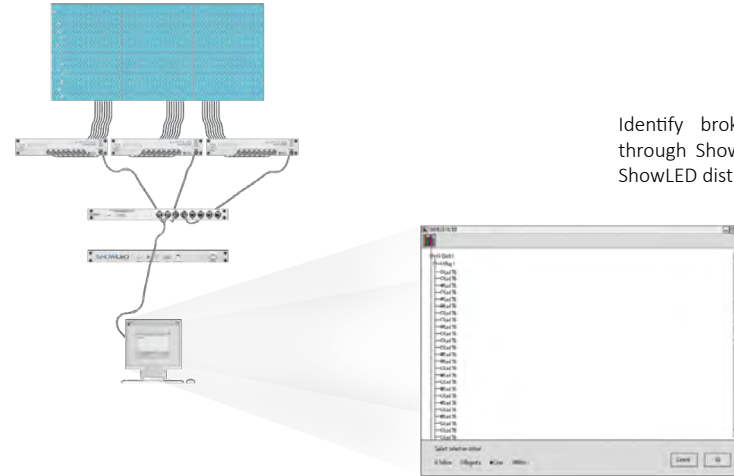
Receiving Replacement
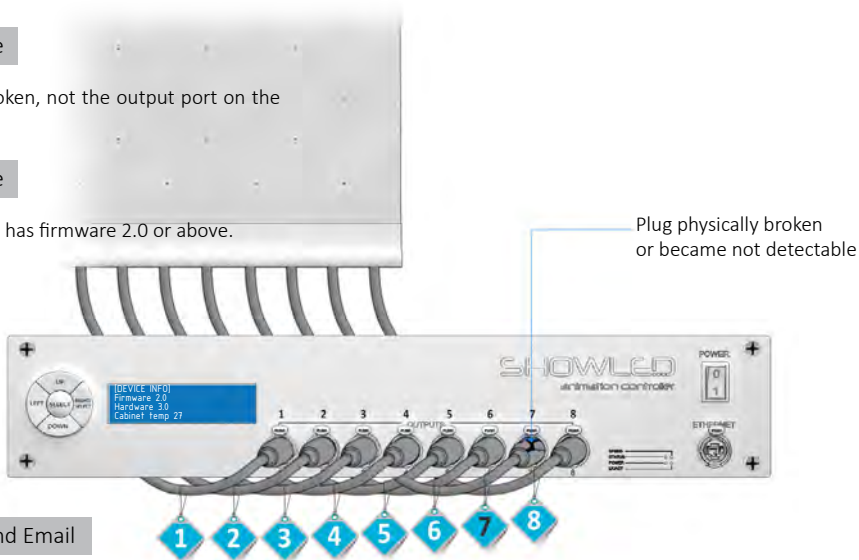
Replacement can be ordered with or without 3M plugs.

n

2

4

1

3

5
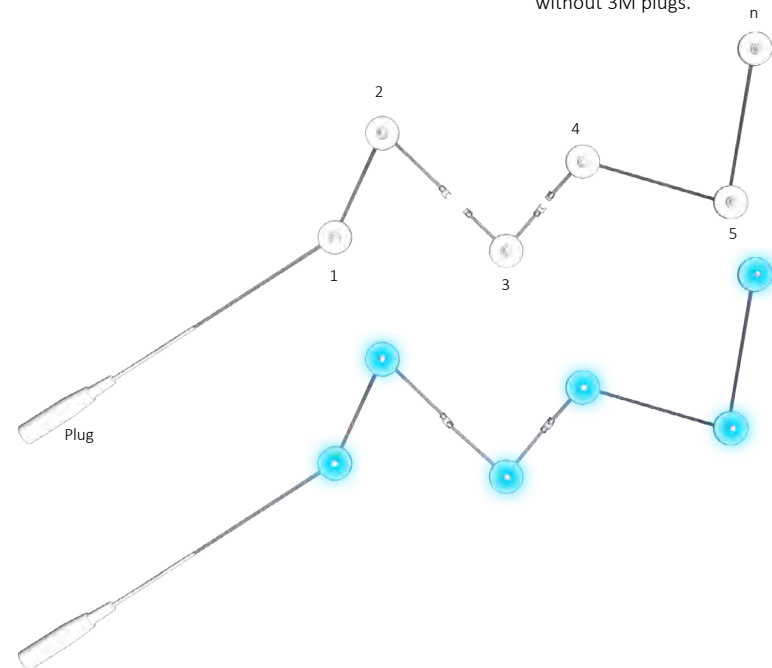
Plug

Make Sure

Plug is broken, not the output port on the controller.

Make Sure

Controller has firmware 2.0 or above.

Plug physically broken or became not detectable

[DEVICE INFO]
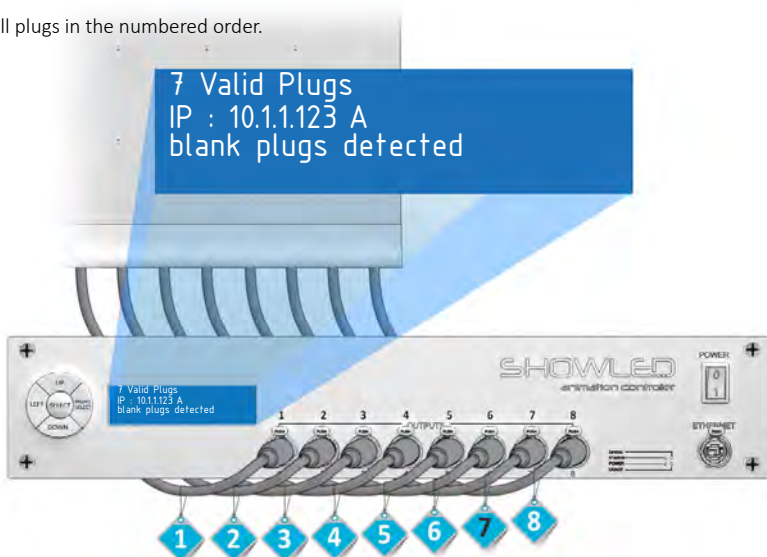Firmware 2.0
Hardware 3.0
Cabinet temp 27

Identify and Email

Identify broken plug number and serial number of panel; mail to your ShowLED distributor for replacement.
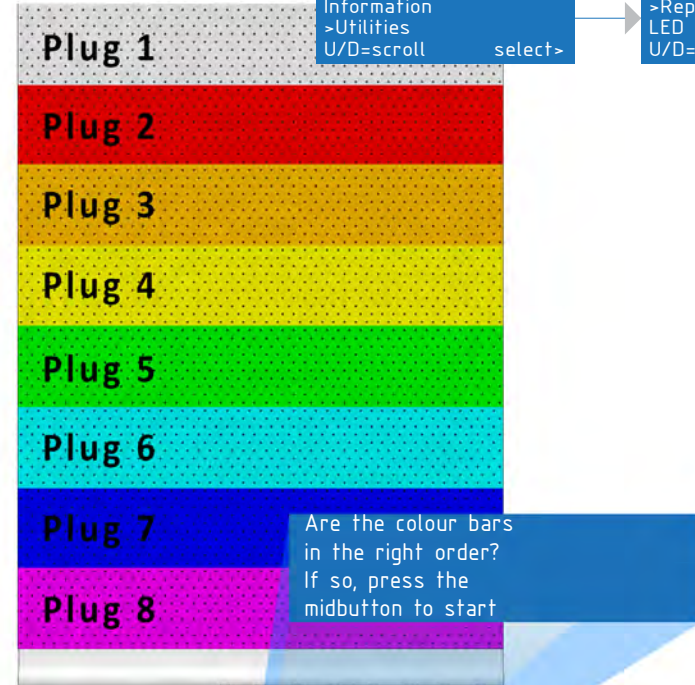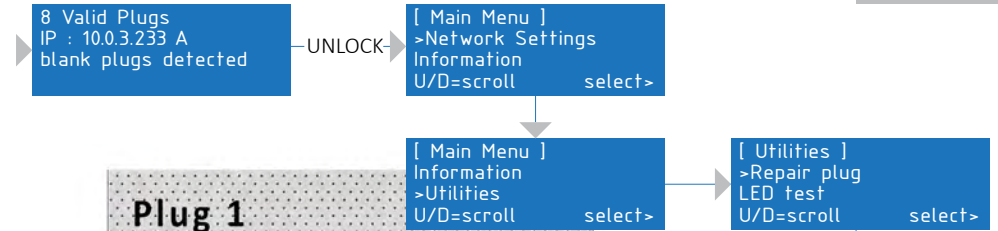
Connect Plugs

Connect all plugs in the numbered order.

7 Valid Plugs
IP : 10.1.1.123 A
blank plugs detected

Repair Plugs

8 Valid Plugs
IP : 10.0.3.233 A
blank plugs detected

—UNLOCK→

[Main Menu]
>Network Settings
Information
U/D=scroll   select>

[Main Menu]
Information
>Utilities
U/D=scroll   select>

[Utilities]
>Repair plug
LED test
U/D=scroll   select>

Plug 1

Plug 2

Plug 3

Plug 4

Plug 5

Plug 6

Plug 7

Plug 8

Are the colour bars in the right order? If so, press the midbutton to start

Confirmation

By pressing midbutton on controller keypad will start repairing the plugs

PLUG REPAIR

LED TEST

Repair Status
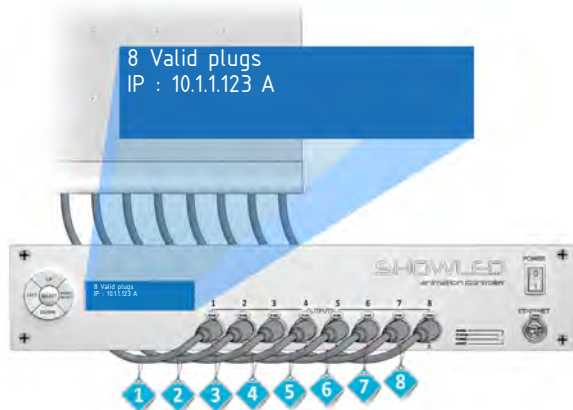
Process

LED test is a process done via controller to confirm connections, plugs, controllers, LEDs are working properly.

Recovering plugs

8 Valid Plugs
IP : 10.0.3.233 A
blank plugs detected

UNLOCK

[Main Menu]
>Network Settings
Information
U/D=scroll   select>

CREATING redundancy
DO NOT POWER OFF

[Main Menu]
Information
>Utilities
U/D=scroll   select>

[Utilities]
>Repair plug
LED test
U/D=scroll   select>

8 Valid plugs
IP : 10.1.1.123 A

[LED test running]
Press the middle
button to stop

Success

Upon selecting LED test all LEDs will light up at 100% intensity in white colour.

SHOWLED

CREATIVE LED SOLUTIONS