

- ledTec.flex | controller

P5 | P10 | P37.5 | P50

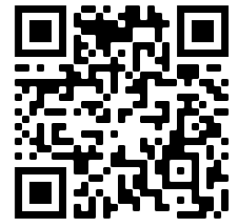
User Manual
V 1.1

Content

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1. Connect your device (PC, Smartphone) with the Wi-Fi

SSID: LnT_Wallcontroller / LnT_P5_WiFi
Password: #LnT_WiFi#



2. Open the following link in your Browser

<http://192.168.0.254>



Make sure, that you open the link above just with `http://`
`https://` would not work.

3. Operation

Operations | Media assets | Screens | Playlists | Configuration | Buttons | WLAN Settings | Logout

General

Demo playlist

START SELECTED PLAYLIST START SELECTED PLAYLIST IN A LOOP STOP

PAUSE RESUME

Presets

PLAYLISTE1 PLAYLISTE1_PAUSE

Active playlists

Demo playlist is active

4. Login

There are two users available

User 1:

Username: **admin**

Password: #LnTadmin

This user is administrator it can change the configuration.

User2:

Username: **content**

Password: VideoUploadUser

This user can only upload new videos, render video, change and create playlists

5. Configuration

Add, change, and delete screens

Name:

- The name must be a length of 16 characters
- Special characters are not allowed.

Frame rate:

- The frame rate will be automatically decreased if you connect more than 4 foils with LPIX and LPIXv2

Scale:

- Do not scale: The input video will not be scaled. Lossless compression is especially for this configuration required.
- Scale width and height: The video will be scaled, so that it fills the maximum display size. The aspect ratio will be changed.
- Scale width: The video will be scaled, so that the width fits in the foils, the height will be automatically adjusted.
- Scale height: The video will be scaled, so that the height fits in the foils, the height will be automatically adjusted.

Displays

#	Protocol	Pixel pitch	Address	Display width	Display height	Offset X	Offset Y	Rotation	
1	LPIX	50.0	out3/1	12	12	0	0	270°	DELETE
2	LPIX	50.0	out3/2	12	12	12	0	270°	DELETE
3	LPIX	50.0	out3/1	12	12	0	12	270°	DELETE
4	LPIX	50.0	out3/2	12	12	12	12	270°	DELETE

Update

Protocol:

- WiFi: P5, P10
- LPIX: P50
- LPIXV2: P37,5

Address: If you use the WiFi protocol enter the MAC address. You can see all available displays if you click "Scan WiFi displays"

For the LPIX protocol enter the output address. It has the following format
 out<port>/<foilnumber>

<port> the output port number (1-4)

<foilnumber> the number of the foil in the daisy chain.

Display width, Display height: The pixels of the foil in with and height.

Offset X, Offset Y: The origin is the top left corner of the video. The offset defines the amount of pixel which the foil should be moved.

Rotation: The rotation of the foil.

Once you finished the configuration, you must initialize the displays and foils with a click on "INITIALIZE DISPLAYS"

Edit virtuell screen

Screen_1 _____
Frame rate
25

Scale mode
FIT_HEIGHT

Brightness
0.0

Contrast
1.0

Saturation
1.0

Gamma
1.0

Gamma weight
1.0

Blursigma
0.0

Motionblur
1

Update

Brightness: Set the brightness expression. Default 0

Contrast, Saturation, Gamma: Set this expression. Default 1

Gamma weight: Set the gamma weight expression. It can be used to reduce the effect of a high gamma value on bright image areas, e.g. keep them from getting overamplified and just plain white. The value must be a float in range 0.0 to 1.0. A value of 0.0 turns the gamma correction all the way down while 1.0 leaves it at its full strength.

Default is 1.

Blursigma: Default 0

Motionblur: Default 1

The media assets must be re-rendered after changing these settings.

6. Upload new Videos

How to upload new videos:

1. Go to media assets
2. Select a video file or an image file. From images a video of 5s length will be generated.
3. Upload the file

The media assets must be rendered for each screen individually.

6.1 Render Videos

Manage content for screen Screen_1 _____

This screen contains 4 displays

Rendered videos

Video #	Name	Frame rate	Frames	Commands
7	index.jpg	25	124	TRANSFER TO WIFI DISPLAYS DELETE
8	IMG20210415.jpg	25	124	TRANSFER TO WIFI DISPLAYS DELETE
9	MeinFilm457.mp4	29	1439	TRANSFER TO WIFI DISPLAYS DELETE
10	Kerze.mov	30	2174	TRANSFER TO WIFI DISPLAYS DELETE

Render videos

Video #	Name	Duration	Format	Information	Commands
1	IMG20210415.jpg	0	1600x1200	None 0 RGB	Render
2	Kerze.mov	72.4	960x540	H.264 / AVC / MPEG-4 AVC / MPEG-4 part 10 30 yuv420p	Render
3	index.jpg	0	148x340	None 0 RGB	Render
4	MeinFilm457.mp4	48.0	1280x720	H.264 / AVC / MPEG-4 AVC / MPEG-4 part 10 29 yuv420p	Render

Visualisation



For optimal and fast processing upload video with the dimension 24x24, 25 fps and choose a lossless compression (e.g libvpx-vp9)

After you uploaded the media assets, the files must be rendered for each screen.

Go to Screens-> *Name of the screen*->Render Videos

Depending on the size of the screen and the length of the video, the rendering process can take several minutes.

For P10 and P5 the videos must be transferred to the display after the rendering has finished.

Click on "TRANSFER TO WIFI DISPLAY" after rendering.

7. Playlists

To play a video, the video must be added to a playlist. You can add, change, and delete playlists in the playlist tab. After you created a playlist, you can click on its name to add, move, and remove videos from the list.

Playlists

#	Video	Frames	Position	
3	index.jpg	124	0	DELETE
6	MeinFilm457.mp4	1439	0	DELETE

Update

Add new video to Playlist

MusterfolienContent.mov

Add

Edit playlist settings

Playlist name

Demo playlist

Virtual screen

Screen_1

Mode

Linear

Update

Select video to add

8. Ticker-Funktion

URL: <http://192.168.0.254/movingText>

Select color and text.

Execute with „Generate“.

Transmit analog zu anderen Medien unter Screens 6. -> name of the screen->Rendered Videos die Laufschrift auf die Folie übertragen.

Ticker-Funktion works only with screens out of 1 foil segment.