

Ferngläser Web-App #2

A carousel web-app for image- & video-files. Controllable via custom volume sequences. Build for [Fully Kiosk PRO](#).

Installation (Development Mode)

- Run `npm install`
- Start dev-server in watch mode: `npm start` ([Available parameters](#))
- Firewall: Allow local network access to port 8080 (or whatever port the dev-server runs on)
- Import Fully configuration into Fully Kiosk PRO (see below), set "Start URL" to "http://192.168.0.1xx:8080" (see output of `npm start`).
- Add media files to the `filesPath` defined in `settings.json` and restart the app.

Installation on device

- `~~Run npm build~~`
- Copy all files and subdirectories from local directory `public` into the directory `Download/binoculars-web-app-2` on the target device. You can use a SD card or transfer the files via USB.

Configuration for "Fully Kiosk Browser"

Either...

Copy the attached "fully-settings.json" to mobile device, import into Fully Kiosk via *Settings > Other Settings > Import Settings*

...OR...

Apply the following settings manually in Fully Kiosk Browser: * *Settings > Web Content Settings > Start URL > "file:///sdcard/Download/binoculars-web-app-2/index.html" (production)* * *Settings > Web Content Settings > Autoplay Videos > TRUE* * *Settings > Advanced Web Settings > Enable JavaScript Interface (PLUS) > TRUE* * *Settings > Advanced Web Settings > Localhost File Access (PLUS) > TRUE* * *Settings > Device Management > Screen Orientation > "Landscape"* * *(Optional - set runtime variables, see below): Settings > Advanced Web Settings > Inject JavaScript (PLUS).* * *Settings > Kiosk Mode (PLUS) > Disable Volume Buttons > TRUE*

Configuration & Runtime variables:

The suggested way for setting configuration variables is to edit `public/settings.json`.

Additionally, each variable can be overridden via Fully Kiosk settings by injecting custom JavaScript code (see last bullet point above). For instance, to override the `transitionColor` and `transitionTime` for a device:

```
window.transitionColor = '#fff'; // Any valid CSS "color" value
window.transitionTime = 1; // Float/Number in seconds
```

Available settings

(Definable in `settings.json`; "media files" refers to image or video)

key	type	default	description
<code>transitionColor</code>	string	<code>#000</code>	Background color (e.g. hex- or rgb-code) of the transition between media files.

key	type	default	description
transitionTime	float	1	Time in seconds for the transition between media files.
moveToStandbyFileAfter	float	5	Time in seconds after which the carousel will move to standbyFile . <i>Only for images! 0 = Off</i>
volume	number	50	Volume of the video files (0-100).
filesPath	string	/storage/emulated/0/Download/public/media	Path to the directory containing the media files.
standbyFile	string	2_goat.mp4	Filename of the standby media file.
signalDebounceDelay	number	350	Time in milliseconds to "collect" incoming volume signals (~100ms per signal).
signalPatterns	object	{...}	<i>Key:</i> Volume sequence (e.g. "1", "0,1" or "1,1,1"); <i>Value:</i> Filename of the media file to be played. "1" = Up; "0" = Down

Kiosk/Lockdown Mode

- Kiosk Mode can be enabled in Fully Kiosk App Settings
- Gesture to exit the kiosk mode can be configured here as well (e.g. "Fast 5 Taps Anywhere", Swipe from Left or Long Press Back", ...)
- Kiosk Mode PIN = 0000 or 1234

Troubleshooting

- **No sound?** Ensure that Fully kiosk setting "Redirect Audio to Phone Earpiece" is enabled. Ensure that `volume` in `settings.json` is set to a high value.
- **The app plays the wrong media file for the defined sequence ("singalPatterns"):** Make sure that within the timespan defined as `signalDebounceDelay` in `settings.json` **only one sequence of signals** is sent to the device. Otherwise, the app may get confused.
- **Changing settings has no effect?** Restart the app, eventually clear Fully Kiosk app cache.

