

WLED Localization

The scripts and files in the wled00/I18N folder support static localization of the WLED program. The files in wled00/src will be cached in I18N and then replaced with the localized versions. After that, the usual npm build scripts etc. is used.

The flow supported by the scripts is to perform internationalization by populating the I18N folder structure with the files requiring localization, and creating templated files and a phrase index file. The phrase file can then be translated into any language supported by Google Translate, and then applied back to the templated files to create the localized files.

The intermediate JSON files can be tweaked as required.

Steps for internationalization

1. Scope: Get list of files to be internationalized and localized.

Script: insert the writeHtmlGzipped() and writeChunks() lines from cdata.js into the script list.js. This replaces the two functions so they simply output the filenames.

```
node wled00/I18N/tools/list.js
JSON Output: I18N/src/list.json
Manual adjustment: Add anything that is missing.
```

2. Templatize the files in list.js:

1. Replace the text in HTML tags and @title attributes with placeholders of the form `${hash:originaltext}` and save the templated files in place. Existing placeholders are kept.

JS scripts that include text to be internationalized are manually modified to retrieve the text from a hidden HTML section.

If localization performance warrants it, HTML elements that require localization can be tagged with a designated @class so they can be found more quickly. (Note, that @class is not available for