BDTools

BDTools is small set of simple command-line utilities for displaying the structure of **.mpls playlists**, **.clpi clip information** files and **.bdjo BD-J object** files which are part of Bluray Disc navigation.

MPLS2JSON.exe

– converts **.mpls**, **.clpi** or **.bdjo** file into human&machine readable JSON file, or

– converts **.json** file into binary .mpls, .clpi or .bdjo file.
This reverse operation can be used for easy modification of the content of the .mpls/.clpi/.bdjo files. (But please remember that parameters are not validated, thus changes in .json file before "reverse" conversion to .mpls/.clpi/.bdjo need to be done VERY carefully!)

MPLSDump.exe

– displays simplified list of all **.m2ts** files referred in given **.mpls** playlist

Typical use:

1. **Displaying help**

   ```
   MPLSJSON
   ```

   Without any other parameters will display simple help how to use MPLS2JSON.

2. **Conversion of .mpls playlist to JSON format**

   ```
   MPLS2JSON  00000.mpls
   ```

   Displays .mpls playlist in readable JSON format on standard output (screen).

   ```
   MPLS2JSON  00000.mpls  00000.json
   ```

   Converts .mpls playlist into readable .json file.

3. **Reverse conversion of .json file into .mpls playlist**

   ```
   MPLS2JSON  -reverse  00000.json  00000.mpls
   ```

   Only structure (syntax) of .json is validated during this conversion, but not the actual values (semantics)! Thus changes in .json file before "reverse" conversion to .mpls need to be done very carefully!

4. Selftest

```
MPLS2JSON  -selftest  00000.mpls
MPLS2JSON  -selftest  00001.clpi
MPLS2JSON  -selftest  00002.bdjo
```

This self-test command will perform forward and backward conversion to/from .json file. Several files will be created with following naming convention:

```
00000.json
00000.from_mpls.mpls
00000.from_json.mpls
00000.from_json.json
```

Correlated .mpls/.json , .clpi/.json and .bdjo/.json files should be identical.

Remark:

MPLS2JSON can convert into readable JSON-format also files **MovieObject.bdmv**, **index.bdmv**, **sound.bdmv** and **id.bdmv**, which are part of Bluray Disc navigation structure, too.