

.LYRIC & .LYRICX SPECIFICATION

v1.0

.lyric spec:

Text-based lyrics for production with phrasing for AI singing.

Useful as a record for filing, as well as for use in AI music generation.

Includes:

- Header
 - optional features, such as: BPM, Key, etc
 - optional subsection for AI/Generation definitions
- Body
 - line breaks indicate phrasing

Supports “.txt” variants,
such as “sample.lyric.txt”

1

1a

Title: Elem-en Ello Vo
Artist: Kozzality

1b

[Generation]
Styles: Edm, Goth, Industrial, Dubstep, Techno, Phonk
Persona: Just Kozz

2

[Verse]
Epulote row span nisa con
Ando go modo tray yo spawn
Vosawn gane van cola mane
Voss train man ola sane

[Chorus]
Melon car stay voy
Duran day
Daylo cross ello joy
Dagra ba yay
Elon shayow
Colagris en ello vo

[Verse 2]
Enjelo base rico swan
Carmelo daise micro vawn
Torestry hawn ariso
Comelise ray marino

[Chorus]
Melon car stay voy
Duran day
Daylo cross ello joy
Dagra ba yay
Elon shayow
Colagris en ello vo

[Bridge]
Guess row heart
Meya cart ay
Terro part
Genna karte
...karte
Enrin arte!

[Chorus]
Melon car stay voy (melon karte)
Duran day
Daylo cross ello joy (ello joy)
(Dagra ba yay)
(Hey, hey)
Colagris en ello vo
Colagris...
en ello vo!



Header section (metadata). Encapsulated by three ASCII hyphen-minus characters (-) on their own line (above and below.)

Required fields: Title, Artist

Possible Fields:

- 1a (main section)
 - Title
 - Artist
 - BPM
 - Key
 - TimeSignature
 - Language: ISO Code
 - Offset (offset to be applied to timing)
 - Production (production notes)
 - Version:
 - document version. Acceptable values:
 - numeric semantic version (e.g., 1.0, 1.2)
 - descriptive label (Draft, Final, Radio Edit, etc)
 - LXVersion: lyric spec version (1.0, 2.0, etc.)
- 1b (AI/Generation subsection)
 - Styles: styles prompt and generation instructions
 - Persona: name of persona to be used
 - Cover: title of song to be covered
 - VocalGender: Male, Female, Neutral, Mixed
 - Weirdness: 0.0 - 1.0
 - StyleInfluence: 0.0 - 1.0
 - Energy: 0.0 - 1.0
 - TempoHint: descriptive

2 ■

Body — the lyrics.

Possible sections:

- Verse: Verse, Verse 2, etc.
- Pre-Chorus
- Chorus
- Bridge
- Intro
- Outro
- Final Chorus
- Spoken

.lyricx spec:

Timed lyrics for performance, animation and AI singing timing.

Includes:

- Header
 - optional features, such as: BPM, Key, etc
 - optional subsection for AI/Generation definitions
- Body
 - numeric identifier
 - timestamp
 - optional: start and stop timestamp as MM:SS:mmm --> MM:SS:mmm (minutes, seconds, milliseconds)
 - lyric line (text)
 - lyric section (Verse, Chorus, etc)
 - line breaks within a timed entry indicate screen display only and do not imply phrasing.

Supports “.txt” variants, such as “sample.lyricx.txt”

1

1a

Title: Elem-en ElLOW Vo
Artist: Kozzality

1b

[Generation]
Styles: Edm, Goth, Industrial, Dubstep, Techno, Phonk
Persona: Just Kozz

2

1
00:48.633
[Verse]
Epulote row span nisa con

2
00:51.667
[Verse]
Ando go modo tray yo spawn

3
00:55.033
[Verse]
Vosawn gane van cola mane

4
00:58.400
[Verse]
Voss train man ola sane

5
01:09.333
[Chorus]
Melon car stay voy

6
01:12.067
[Chorus]
Duran day

7
01:13.167
[Chorus]
Daylo cross elLOW joy

8
01:15.567
[Chorus]
Dagra ba yay

9
01:17.333
[Chorus]
Elon shayow

1 -

Header section (metadata). Encapsulated by three ASCII hyphen-minus characters (-) on their own line (above and below.)

Required fields: Title, Artist

Possible Fields:

- **1a** (main section)
 - Title
 - Artist
 - BPM
 - Key
 - TimeSignature
 - Language: ISO Code
 - Tags
 - Offset (offset to be applied to timing)
 - Production (production notes)
 - Version:
 - document version. Acceptable values:
 - numeric semantic version (e.g., 1.0, 1.2)
 - descriptive label (Draft, Final, Radio Edit, etc)
 - LXVersion: lyric spec version (1.0, 2.0, etc.)
- **1b** (AI/Generation subsection)
 - Styles: styles prompt and generation instructions
 - Persona: name of persona to be used
 - Cover: title of song to be covered
 - VocalGender: Male, Female, Neutral, Mixed
 - Weirdness: 0.0 - 1.0
 - StyleInfluence: 0.0 - 1.0
 - Energy: 0.0 - 1.0
 - TempoHint: descriptive

2 -

Body: Timed entries

- Numeric Identifier
- Timestamp
- Section (optional)
- Contextual Instructions (when applicable)
- Lyric line

EBNF-1

COMMON LEXICAL DEFINITIONS

```
newline      = "\n" ;
ws           = " " ;
digit        = "0" | "1" | "2" | "3" | "4" | "5" | "6" | "7" | "8" | "9" ;
alpha        = ? any unicode letter ? ;
alphanum     = alpha | digit ;

text_char    = ? any character except newline ? ;
text_line    = { text_char } ;

hyphen_line  = "----";

float_0_1     = "0"
               | "1"
               | "0." , digit , digit
               | "1.00" ;

integer       = digit , { digit } ;
```

EBNF-2

HEADER

```
header                                = hyphen_line , newline ,
                                      title_field ,
                                      artist_field ,
                                      { header_optional_field } ,
                                      [ generation_block ] ,
                                      hyphen_line , newline ;

header_optional_field                 = version_field
                                      | bpm_field
                                      | key_field
                                      | timesignature_field
                                      | language_field
                                      | tags_field
                                      | offset_field
                                      | production_field
                                      | lxversion_field
                                      | newline ;

title_field                          = "Title:" , ws , text_line , newline ;
artist_field                         = "Artist:" , ws , text_line , newline ;

bpm_field                            = "BPM:" , ws , text_line , newline ;
key_field                            = "Key:" , ws , text_line , newline ;
timesignature_field                  = "TimeSignature:" , ws , text_line , newline ;
language_field                       = "Language:" , ws , text_line , newline ;

tags_field                           = "Tags:" , ws , tag , { "," , ws , tag } ;
tag                                  = tag_character , { tag_character } ;
tag_character                        = letter | digit | "-" | " " ;

offset_field                         = "Offset:" , ws , offset_value , newline ;
offset_value                         = two_digits , ":" , two_digits , ":" , three_digits ;
two_digits                          = digit , digit ;
three_digits                         = digit , digit , digit ;

production_field                     = "Production:" , ws , newline , production_text ;
production_text                      = { text_line_or_empty } ;
text_line_or_empty                   = text_line | newline ;

version_field                        = "Version:" , ws , text_line , newline ;
lxversion_field                      = "LXVersion:" , ws , text_line , newline ;
```

EBNF-3

GENERATION BLOCK

```
generation_block =  
    "[Generation]" , newline ,  
    generation_fields ;  
  
generation_fields =  
    { generation_field } ;  
  
generation_field =  
    styles_field  
    | persona_field  
    | cover_field  
    | vocalgender_field  
    | weirdness_field  
    | styleinfluence_field  
    | energy_field  
    | tempohint_field  
  
styles_field      = "Styles:" , ws , newline , styles_text ;  
styles_text      = { text_line_or_empty } ;  
text_line_or_empty = text_line | newline ;  
  
persona_field     = "Persona:" , ws , text_line , newline ;  
cover_field       = "Cover:" , ws , text_line , newline ;  
vocalgender_field = "VocalGender:" , ws ,  
                    ( "Male" | "Female" | "Neutral" | "Mixed" ) ,  
                    newline ;  
  
weirdness_field   = "Weirdness:" , ws , float_0_1 , newline ;  
styleinfluence_field = "StyleInfluence:" , ws , float_0_1 , newline ;  
energy_field      = "Energy:" , ws , float_0_1 , newline ;  
  
tempohint_field   = "TempoHint:" , ws , text_line , newline ;
```

SECTION LABELS

```
section_name      = "Verse"  
                  | "Chorus"  
                  | "Pre-Chorus"  
                  | "Bridge"  
                  | "Intro"  
                  | "Outro"  
                  | "Final Chorus"  
                  | "Spoken" ;  
  
section_index     = ws , integer ;  
  
section_label     = "[" , section_name , [ section_index ] , "]" ;
```

EBNF-4

.LYRIC GRAMMAR

```
lyric_document =  
    header ,  
    lyric_body ;  
  
lyric_body =  
    { lyric_section } ;  
  
lyric_section =  
    section_label , newline ,  
    { lyric_line } ;  
  
lyric_line =  
    text_line , newline ;
```

.LYRICX GRAMMAR

```
lyricx_document  = header ,  
                  lyricx_body ;  
  
lyricx_body      = timed_entry ,  
                  { separator , timed_entry } ;  
  
separator        = newline ;  
  
timed_entry      = integer , newline ,  
                  ( timestamp | time_range ) , newline ,  
                  [ section_label , newline ] ,  
                  timed_text ;  
  
timed_text       = text_line , newline ,  
                  { text_line , newline } ;
```

EBNF-5

TIMESTAMP (LYRICX)

```
timestamp      = minute , ":" , second , ":" , millisecond ;
minute         = digit , digit ;
second         = digit , digit ;
millisecond    = digit , digit , digit ;
time_range     = timestamp , ws , "--" , ">" , ws , timestamp ;
```

Canonical format:

MM:SS:mmm

PERFORMANCE INSTRUCTIONS

```
instruction_block = "{" , instruction_text , "}" ;
instruction_text  = { instruction_char } ;
instruction_char  = ? any printable character except "}" ? ;
```

Sectional

```
section_label    = "[" , section_name , [ ws , instruction_block ] , "]" ;
section_name     = text ;
```

Contextual

```
lyric_line      = text_line , [ ws , instruction_block ] ;
```

Performance

```
lyric_line      = [ ws , instruction_block ] ;
```

RULE SUMMARY-1

HEADER

1. Defined by three ASCII hyphen-minus characters (-) on their own line (above and below)
2. Title and Artist are required
3. Title and Artist fields must appear first, in that order
4. Optional fields follow. Each label should be capitalized, by convention
 - a. BPM (recommended all-caps)
 - b. Key
 - c. TimeSignature (Pascalcase)
 - d. Offset (offset to be applied to timing)
 - e. Production (production notes)
 - f. Version
 - g. LXVersion (capitalized exactly as shown)
 - h. By convention, "Version" and "LXVersion" should appear last in the optional section, and in that order
5. The "Generation" section must come last within the header block
6. "Generation" must be capitalized exactly as shown
7. "Generation" is optional and may be empty
8. Field order "Generation" is unrestricted
9. "Styles" within "Generation" is freeform and may include one or multiple empty lines
10. A single blank line must precede "Generation"

RULE SUMMARY-2

BODY

.LYRIC

1. Sections are identified by labels using square brackets. The label should be capitalized. Example: [Verse]
2. Subsequent verses are numbered by order (e.g., [Verse], [Verse 2], [Verse 3])
3. Acceptable labels include:
 - a. Intro
 - b. Verse
 - c. Verse 2, Verse 3, etc
 - d. Pre-Chorus
 - e. Chorus
 - f. Bridge
 - g. Final Chorus
 - h. Outro
4. Section can be empty
5. By convention, it is recommended that there be an empty line between sections
6. Performance instructions can be added using “{{“ + instructions +”}}”. Example:

You will find

The Emerald Sea {{male singer}}

Performance instruction can be either:

- a. Sectional Instruction : [Intro {{choral chant}}]
- b. Contextual Instruction: The Emerald Sea {{male singer}}
- c. Performance Instruction: {{big drop}}

RULE SUMMARY-3

BODY

.LYRICX

1. Timed entries must follow this order:
 - a. Entry number.
Entry numbers must:
 - i. Start at 1
 - ii. Increase sequentially by 1
 - iii. Be unique
 - iv. Appear in ascending order
 - b. Timestamp
 - c. Section label (optional)
 - d. Lyric line(s)
2. Lyric content may span multiple lines.
3. Lyric content must not contain empty lines, except at the end of an entry
4. Each entry must be separated by exactly one empty line
5. Timestamp format must be MM:SS:mmm
6. An optional exit timestamp may be defined using the pattern:
entry timestamp --> exit timestamp (two dashes followed by a greater-than symbol between timestamps)
7. Word-level timestamps MAY be embedded within lyric text using instruction blocks. Example:

1

00:48:633

[Verse]

Epulote{{00:48:6333}} row{{00:48:900}}

span{{00:49:200}} nisa{{00:49:450}} can{{00:49:750}}

LISCENSING

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